MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH0603 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

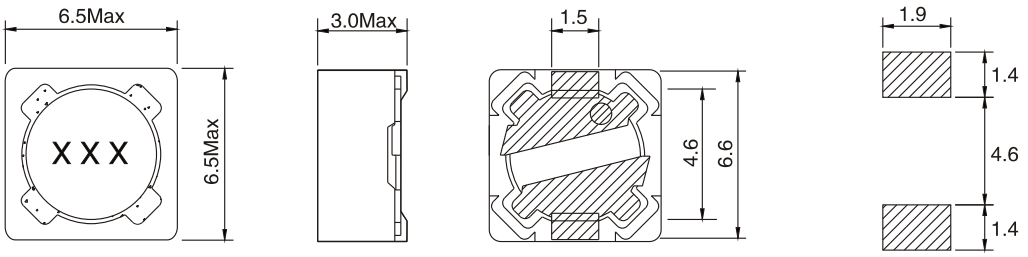
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH0603-3R5□	3R5	3.5	0.027	3.0
SDRH0603-4R7□	4R7	4.7	0.031	2.4
SDRH0603-6R1□	6R1	6.1	0.035	3.25
SDRH0603-7R6□	7R6	7.6	0.054	2.10
SDRH0603-100□	100	10	0.065	1.70
SDRH0603-120□	120	12	0.070	1.55
SDRH0603-150□	150	15	0.084	1.40
SDRH0603-180□	180	18	0.095	1.32
SDRH0603-220□	220	22	0.128	1.20
SDRH0603-270□	270	27	0.142	1.05
SDRH0603-330□	330	33	0.165	0.97
SDRH0603-390□	390	39	0.210	0.86
SDRH0603-470□	470	47	0.238	0.80
SDRH0603-560□	560	56	0.277	0.73
SDRH0603-680□	680	68	0.304	0.65
SDRH0603-820□	820	82	0.390	0.60
SDRH0603-101□	101	100	0.535	0.54
SDRH0603-121□	121	120	0.650	0.30
SDRH0603-151□	151	150	0.820	0.30
SDRH0603-181□	181	180	1.10	0.28
SDRH0603-221□	221	220	1.45	0.24
SDRH0603-271□	271	270	1.72	0.22
SDRH0603-331□	331	330	2.05	0.20
SDRH0603-391□	391	390	2.52	0.18
SDRH0603-471□	471	470	3.12	0.16
SDRH0603-561□	561	560	3.85	0.12
SDRH0603-681□	681	680	4.52	0.11
SDRH0603-821□	821	820	5.29	0.10
SDRH0603-102□	102	1000	7.22	0.08

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

- ◆Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
- ◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH0605 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

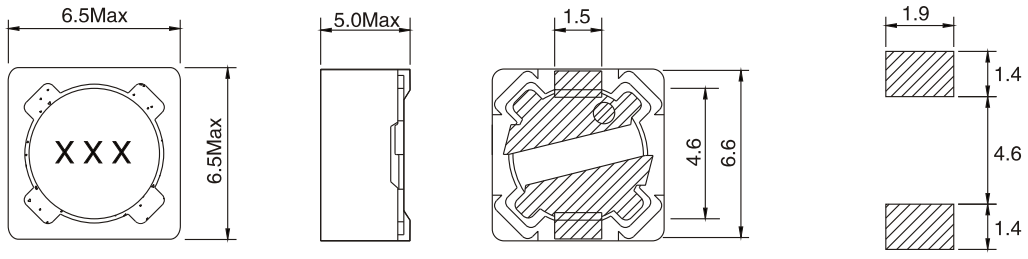
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH0605-100□	100	10	0.12	1.35
SDRH0605-120□	120	12	0.13	1.20
SDRH0605-150□	150	15	0.18	1.10
SDRH0605-180□	180	18	0.24	1.00
SDRH0605-220□	220	22	0.27	0.91
SDRH0605-270□	270	27	0.30	0.82
SDRH0605-330□	330	33	0.33	0.75
SDRH0605-390□	390	39	0.37	0.69
SDRH0605-470□	470	47	0.52	0.62
SDRH0605-560□	560	56	0.56	0.58
SDRH0605-680□	680	68	0.63	0.52
SDRH0605-820□	820	82	0.71	0.47
SDRH0605-101□	101	100	1.03	0.43
SDRH0605-121□	121	120	1.15	0.39
SDRH0605-151□	151	150	1.68	0.35
SDRH0605-181□	181	180	1.87	0.32
SDRH0605-221□	221	220	2.08	0.29
SDRH0605-271□	271	270	2.37	0.26
SDRH0605-331□	331	330	2.67	0.25
SDRH0605-391□	391	390	2.94	0.22
SDRH0605-471□	471	470	3.93	0.20
SDRH0605-561□	561	560	5.45	0.18
SDRH0605-681□	681	680	7.32	0.17
SDRH0605-821□	821	820	8.24	0.15
SDRH0605-102□	102	1000	9.24	0.14

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

◆Inductance is measured with HP-4284A LCR meter or equivalent.
◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH0703 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

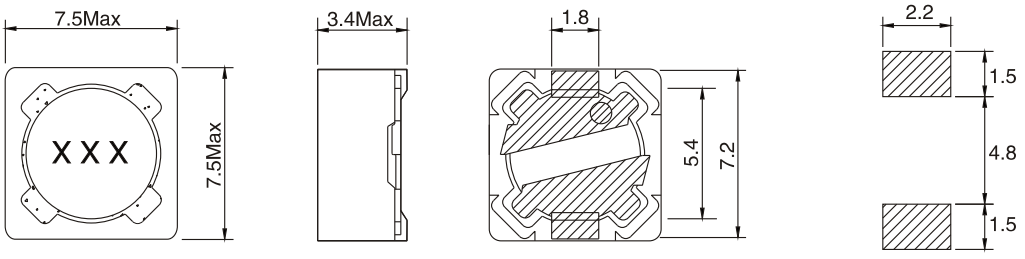
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH0703-100□	100	10	0.076	1.68
SDRH0703-120□	120	12	0.098	1.52
SDRH0703-150□	150	15	0.15	1.33
SDRH0703-180□	180	18	0.17	1.20
SDRH0703-220□	220	22	0.19	1.07
SDRH0703-270□	270	27	0.23	0.96
SDRH0703-330□	330	33	0.28	0.91
SDRH0703-390□	390	39	0.34	0.77
SDRH0703-470□	470	47	0.36	0.76
SDRH0703-560□	560	56	0.47	0.68
SDRH0703-680□	680	68	0.52	0.61
SDRH0703-820□	820	82	0.69	0.57
SDRH0703-101□	101	100	0.79	0.50
SDRH0703-121□	121	120	0.89	0.49
SDRH0703-151□	151	150	1.27	0.43
SDRH0703-181□	181	180	1.45	0.39
SDRH0703-221□	221	220	1.65	0.35
SDRH0703-271□	271	270	2.31	0.32
SDRH0703-331□	331	330	2.62	0.28
SDRH0703-391□	391	390	2.94	0.26
SDRH0703-471□	471	470	4.18	0.24
SDRH0703-561□	561	560	4.67	0.22
SDRH0703-681□	681	680	5.73	0.19
SDRH0703-821□	821	820	6.54	0.18
SDRH0703-102□	102	1000	9.44	0.16

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

◆Inductance is measured with HP-4284A LCR meter or equivalent.
◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH0704 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

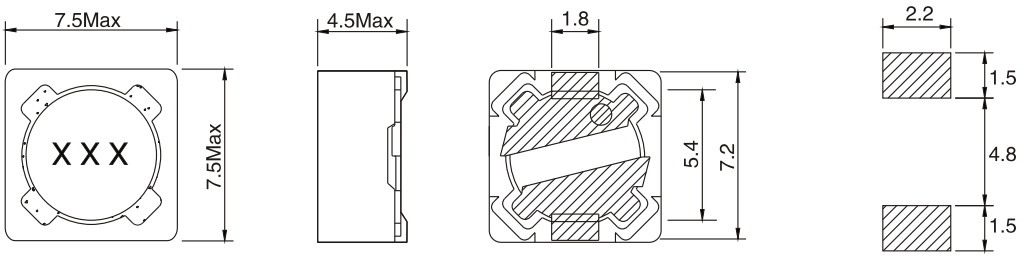
APPLCATIONS:

- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH0704-100□	100	10	0.056	1.84
SDRH0704-120□	120	12	0.06	1.71
SDRH0704-150□	150	15	0.085	1.47
SDRH0704-180□	180	18	0.10	1.31
SDRH0704-220□	220	22	0.11	1.23
SDRH0704-270□	270	27	0.18	1.12
SDRH0704-330□	330	33	0.25	0.96
SDRH0704-390□	390	39	0.26	0.91
SDRH0704-470□	470	47	0.28	0.88
SDRH0704-560□	560	56	0.40	0.75
SDRH0704-680□	680	68	0.43	0.69
SDRH0704-820□	820	82	0.61	0.61
SDRH0704-101□	101	100	0.66	0.60
SDRH0704-121□	121	120	0.88	0.52
SDRH0704-151□	151	150	0.98	0.46
SDRH0704-181□	181	180	1.17	0.42
SDRH0704-221□	221	220	1.86	0.36
SDRH0704-271□	271	270	2.85	0.34
SDRH0704-331□	331	330	3.01	0.32
SDRH0704-391□	391	390	3.62	0.29
SDRH0704-471□	471	470	4.63	0.26
SDRH0704-561□	561	560	5.20	0.23
SDRH0704-681□	681	680	6.00	0.22
SDRH0704-821□	821	820	6.00	0.20
SDRH0704-102□	102	1000	6.00	0.18

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

◆Inductance is measured with HP-4284A LCR meter or equivalent.
◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH10145 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

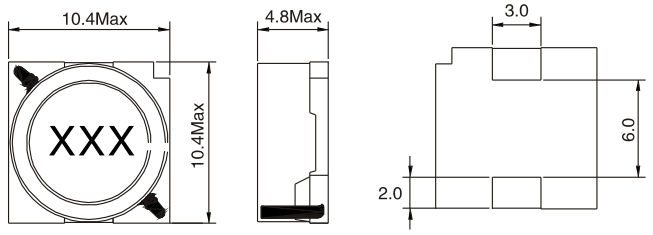
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH10145–3R3□	3.3	1	0.020	3.70
SDRH10145–5R6□	5.6	1	0.027	3.20
SDRH10145–100□	10	1	0.044	2.50
SDRH10145–150□	15	1	0.057	2.20
SDRH10145–220□	22	1	0.070	1.90
SDRH10145–330□	33	1	0.100	1.70
SDRH10145–470□	47	1	0.120	1.50
SDRH10145–680□	68	1	0.168	1.30
SDRH10145–101□	100	1	0.240	1.10
SDRH10145–151□	150	1	0.420	0.81
SDRH10145–221□	220	1	0.564	0.70
SDRH10145–331□	330	1	0.816	0.58
SDRH10145–471□	470	1	1.236	0.47
SDRH10145–681□	680	1	1.920	0.38
SDRH10145–102□	1000	1	3.360	0.29
SDRH10145–122□	1200	1	3.600	0.25
SDRH10145–152□	1500	1	4.080	0.22

□:1. K= ± 10%,M= ± 20%,N= ± 30%

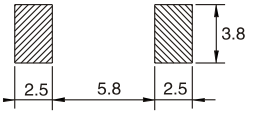
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH103 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

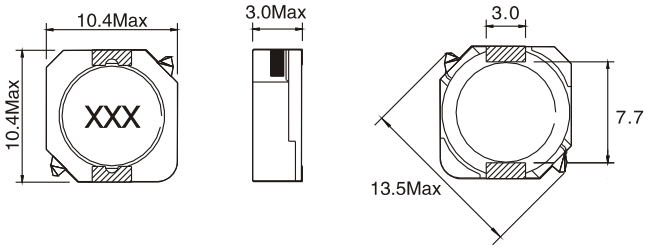
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH103–100□	10	100	0.0581	2.70
SDRH103–120□	12	100	0.0721	2.25
SDRH103–150□	15	100	0.0865	2.22
SDRH103–180□	18	100	0.1161	1.90
SDRH103–220□	22	100	0.1454	1.78
SDRH103–270□	27	100	0.1759	1.63
SDRH103–330□	33	100	0.2134	1.46
SDRH103–390□	39	100	0.2689	1.32
SDRH103–470□	47	100	0.2986	1.18
SDRH103–560□	56	100	0.3358	1.10
SDRH103–680□	68	100	0.4513	1.04
SDRH103–820□	82	100	0.5138	0.94
SDRH103–101□	100	100	0.7000	0.84
SDRH103–121□	120	100	0.7650	0.76
SDRH103–151□	150	100	0.8763	0.70

□:1. K= ± 10%,M= ± 20%,N= ± 30%

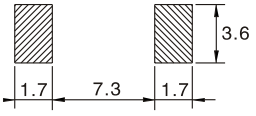
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH104 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 10A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

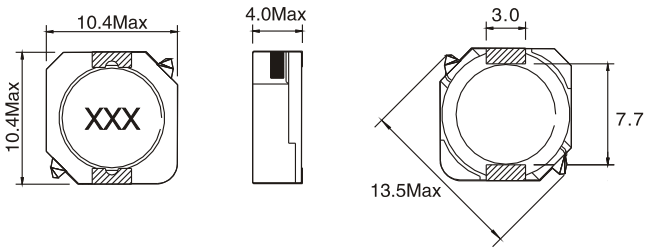
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH104–1R3□	1.3	100	0.008	10.0
SDRH104–2R5□	2.5	100	0.010	7.50
SDRH104–3R8□	3.8	100	0.013	6.00
SDRH104–5R2□	5.2	100	0.022	5.50
SDRH104–7R0□	7.0	100	0.027	4.80
SDRH104–100□	10	100	0.035	4.40
SDRH104–150□	15	100	0.050	3.60
SDRH104–220□	22	100	0.073	2.90
SDRH104–330□	33	100	0.093	2.30
SDRH104–470□	47	100	0.128	2.10
SDRH104–680□	68	100	0.213	1.50
SDRH104–101□	100	100	0.304	1.35
SDRH104–151□	150	100	0.506	1.15
SDRH104–221□	220	100	0.756	0.92
SDRH104–331□	330	100	1.090	0.70

□:1. K= ± 10%,M= ± 20%,N= ± 30%

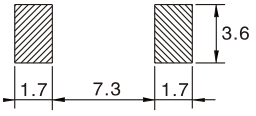
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH105 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.45A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

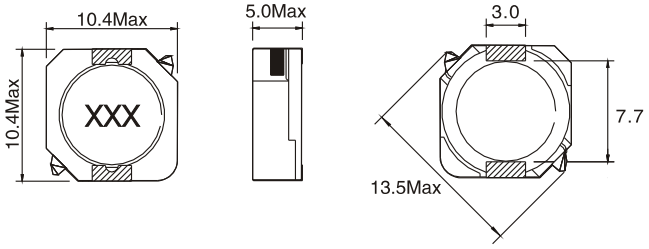
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH105–100□	10	100	0.0258	3.45
SDRH105–120□	12	100	0.0320	3.40
SDRH105–150□	15	100	0.0400	2.83
SDRH105–180□	18	100	0.0460	2.62
SDRH105–220□	22	100	0.0585	2.44
SDRH105–270□	27	100	0.0654	2.24
SDRH105–330□	33	100	0.0814	1.88
SDRH105–390□	39	100	0.1031	1.70
SDRH105–470□	47	100	0.1221	1.56
SDRH105–560□	56	100	0.1448	1.39
SDRH105–680□	68	100	0.1930	1.36
SDRH105–820□	82	100	0.2194	1.20
SDRH105–101□	100	100	0.2470	1.09
SDRH105–121□	120	100	0.2984	1.00
SDRH105–151□	150	100	0.3551	0.91
SDRH105–181□	180	100	0.3943	0.84
SDRH105–221□	220	100	0.4838	0.75
SDRH105–271□	270	100	0.6325	0.68
SDRH105–331□	330	100	0.7800	0.60
SDRH105–391□	390	100	0.9575	0.57
SDRH105–471□	470	100	1.2204	0.50
SDRH105–561□	560	100	1.3524	0.47
SDRH105–681□	680	100	1.5192	0.43
SDRH105–821□	820	100	1.6944	0.39
SDRH105–102□	1000	100	1.9464	0.35

□:1. K=±10%,M=±20%,N=±30%

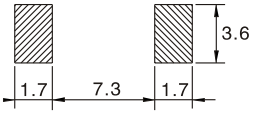
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

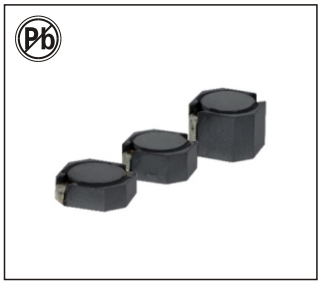
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH12 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 12A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS@25℃

Inductance		DC Resistance(Ω) ±30%			DC saturation allowable current(A) Typ.			Temp. rise allowable current(A) Typ.		
Code	uH	SDRH1242	SDRH1257	SDRH1277	SDRH1242	SDRH1257	SDRH1277	SDRH1242	SDRH1257	SDRH1277
1R3	1.3	0.006			12.0			6.80		
2R2	2.2	0.008	0.006	0.007	9.00	11.4	11.6	5.95	6.80	6.85
3R3	3.3	0.010	0.008	0.008	7.20	9.40	10.0	5.30	5.70	6.00
4R3	4.3		0.009	0.010		8.10	9.40		5.45	5.60
4R7	4.7	0.012			6.60			4.85		
5R6	5.6		0.011	0.011		7.10	8.50		5.00	5.30
6R2	6.2	0.014			5.40			4.50		
7R5	7.5	0.016	0.012	0.013	4.90	6.20	7.40	4.20	4.70	4.80
100	10	0.021	0.017	0.014	4.50	5.60	6.30	3.60	4.00	4.30
120	12	0.026	0.022	0.016	4.00	5.00	6.00	3.30	3.70	4.15
150	15	0.029	0.026	0.019	3.60	4.40	4.90	3.10	3.30	3.85
180	18	0.038	0.029	0.021	3.10	4.00	4.60	2.70	2.95	3.70
220	22	0.045	0.033	0.024	2.80	3.70	4.30	2.50	2.65	3.25
270	27	0.056	0.043	0.030	2.55	3.20	4.00	2.20	2.55	3.00
330	33	0.065	0.053	0.035	2.25	2.95	3.25	1.95	2.30	2.85
390	39	0.084	0.056	0.046	2.10	2.75	2.85	1.75	2.20	2.50
470	47	0.10	0.069	0.051	1.82	2.50	2.65	1.65	1.95	2.30
560	56	0.12	0.08	0.062	1.75	2.30	2.50	1.44	1.80	2.10
680	68	0.14	0.10	0.077	1.65	2.05	2.40	1.35	1.60	1.90
820	82	0.16	0.13	0.09	1.48	1.85	2.35	1.23	1.40	1.80
101	100	0.20	0.14	0.11	1.33	1.65	2.20	1.15	1.30	1.60
121	120	0.23	0.18	0.13	1.24	1.50	1.90	1.02	1.20	1.40
151	150	0.29	0.23	0.18	1.05	1.35	1.60	0.92	1.05	1.20
181	180	0.35	0.26	0.19	0.98	1.20	1.45	0.82	1.00	1.15
221	220	0.45	0.32	0.24	0.93	1.10	1.35	0.73	0.88	1.05
271	270	0.55	0.38	0.31	0.82	1.00	1.25	0.66	0.81	0.91
331	330	0.67	0.47	0.34	0.70	0.90	1.00	0.59	0.70	0.88
391	390	0.82	0.54	0.40	0.65	0.80	0.90	0.52	0.67	0.80
471	470	0.92	0.66	0.51	0.58	0.75	0.80	0.48	0.61	0.70
561	560	1.10	0.79	0.56	0.54	0.70	0.73	0.45	0.54	0.65
681	680	1.37	0.95	0.73	0.51	0.65	0.68	0.40	0.50	0.60
821	820	1.67	1.15	0.87	0.45	0.55	0.62	0.36	0.44	0.55
102	1000	1.87	1.42	1.07	0.43	0.50	0.60	0.34	0.40	0.50

- Measurement frequency for Inductance: 100KHz
- DC saturation allowable current: value of inductance decrease within 30%
- Temperature rise allowable current: A rise in temperature of core surface is within 40℃
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter Q– HP4342A – SRF–HP4191A IDCMax
- Operating temperature: –40℃ to +105℃
- Storage temperature: –40℃ to +105℃

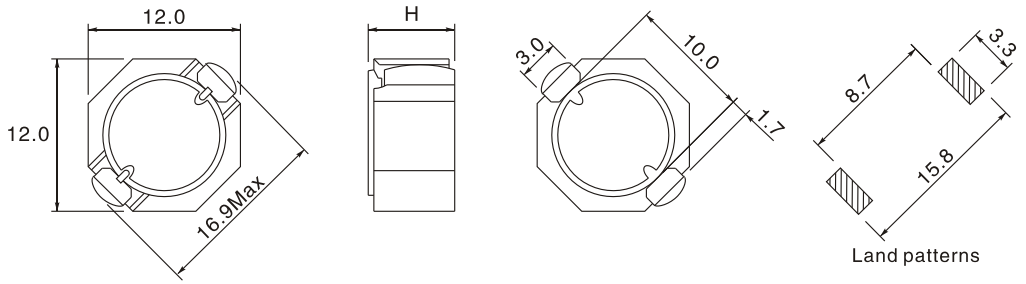
Tolerance	SDRH1242	SDRH1257	SDRH1277
±30%(N)	1.3~7.5uH	2.2~7.5uH	2.2~7.5uH
±20%(M)	10~1000uH		

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086–29–87851838 Fax:0086–29–87851840

SDRH12 Seires

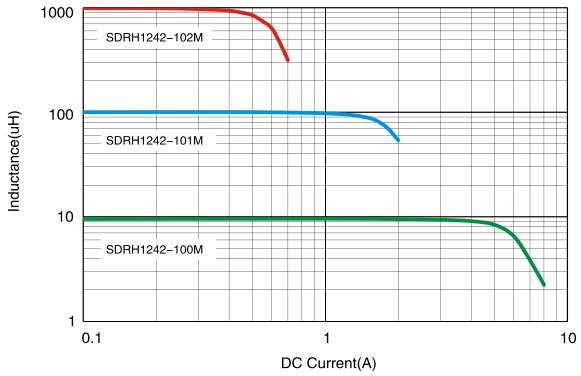
PHYSICAL CHARACTERISTICS & TECHNICAL INFORMATION

Dimensions(mm)

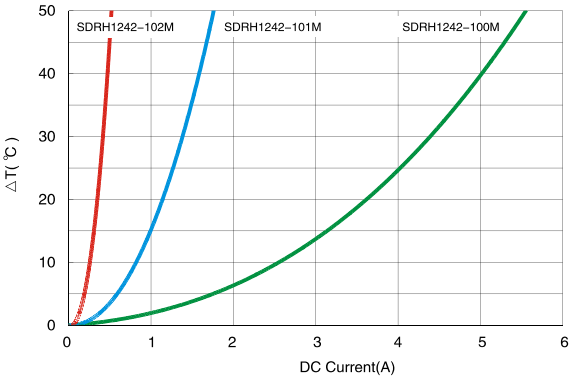


P/N	H
1242	4.5max
1257	6.0max
1277	8.0max

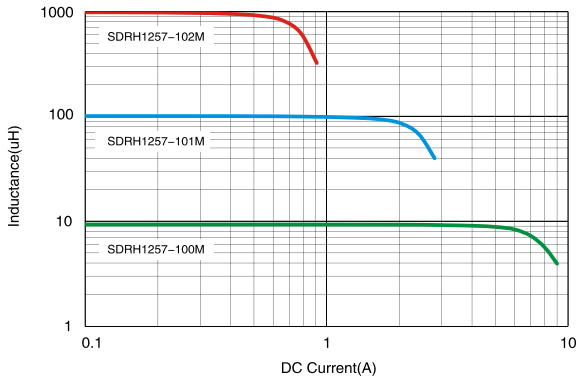
Characteristics of DC Superposition



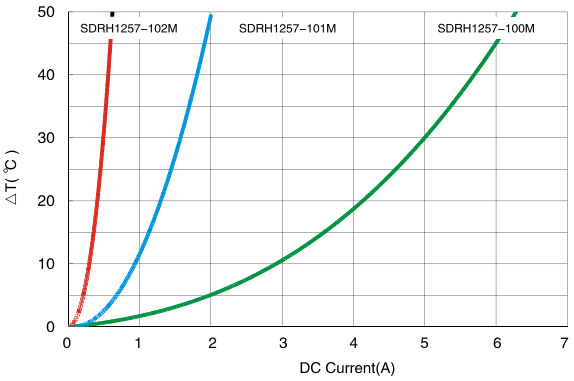
Characteristics of Temperature rise



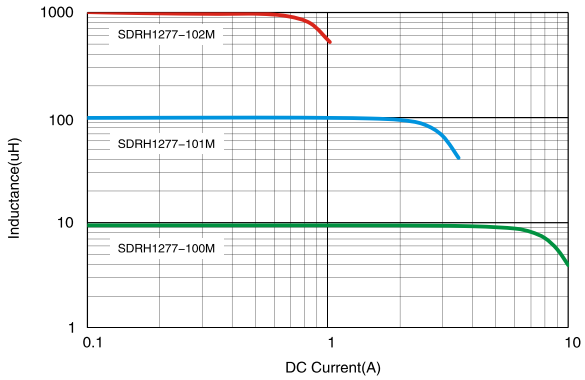
Characteristics of DC Superposition



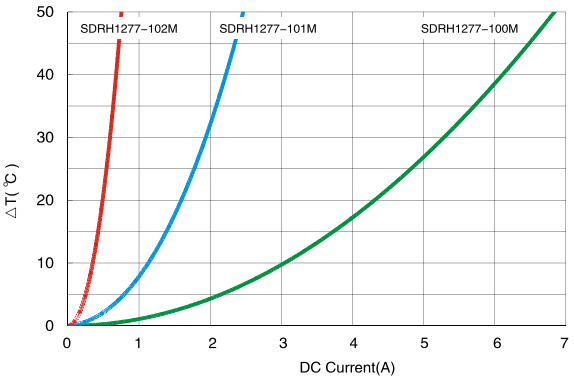
Characteristics of Temperature rise



Characteristics of DC Superposition



Characteristics of Temperature rise



SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1204 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

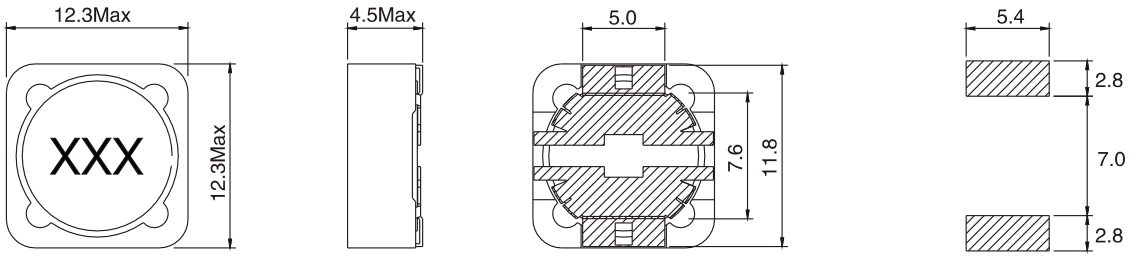
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH1204-100□	100	10	0.028	4.50
SDRH1204-120□	120	12	0.038	4.00
SDRH1204-150□	150	15	0.050	3.20
SDRH1204-180□	180	18	0.057	3.10
SDRH1204-220□	220	22	0.066	2.90
SDRH1204-270□	270	27	0.080	2.80
SDRH1204-330□	330	33	0.097	2.70
SDRH1204-390□	390	39	0.132	2.10
SDRH1204-470□	470	47	0.150	1.90
SDRH1204-560□	560	56	0.190	1.80
SDRH1204-680□	680	68	0.220	1.50
SDRH1204-820□	820	82	0.260	1.30
SDRH1204-101□	101	100	0.308	1.20
SDRH1204-121□	121	120	0.380	1.10
SDRH1204-151□	151	150	0.530	0.95
SDRH1204-181□	181	180	0.620	0.85
SDRH1204-221□	221	220	0.700	0.80
SDRH1204-271□	271	270	0.870	0.60
SDRH1204-331□	331	330	0.990	0.50

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

◆Inductance is measured with HP-4284A LCR meter or equivalent.
◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1205 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

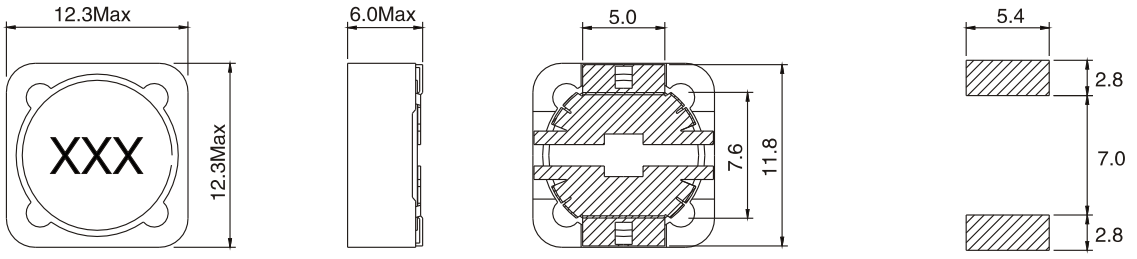
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH1205-100□	100	10	0.025	4.00
SDRH1205-120□	120	12	0.027	3.50
SDRH1205-150□	150	15	0.030	3.30
SDRH1205-180□	180	18	0.030	3.00
SDRH1205-220□	220	22	0.036	2.80
SDRH1205-270□	270	27	0.051	2.30
SDRH1205-330□	330	33	0.057	2.10
SDRH1205-390□	390	39	0.068	2.00
SDRH1205-470□	470	47	0.075	1.80
SDRH1205-560□	560	56	0.11	1.70
SDRH1205-680□	680	68	0.12	1.50
SDRH1205-820□	820	82	0.14	1.40
SDRH1205-101□	101	100	0.16	1.30
SDRH1205-121□	121	120	0.17	1.10
SDRH1205-151□	151	150	0.23	1.00
SDRH1205-181□	181	180	0.29	0.90
SDRH1205-221□	221	220	0.40	0.80
SDRH1205-271□	271	270	0.46	0.75
SDRH1205-331□	331	330	0.51	0.68
SDRH1205-391□	391	390	0.69	0.65
SDRH1205-471□	471	470	0.77	0.58
SDRH1205-561□	561	560	0.86	0.54
SDRH1205-681□	681	680	1.20	0.48
SDRH1205-821□	821	820	1.34	0.43
SDRH1205-102□	102	1000	1.53	0.40

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

- ◆Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
- ◆Operating temperature:-25℃~+85℃.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1207 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

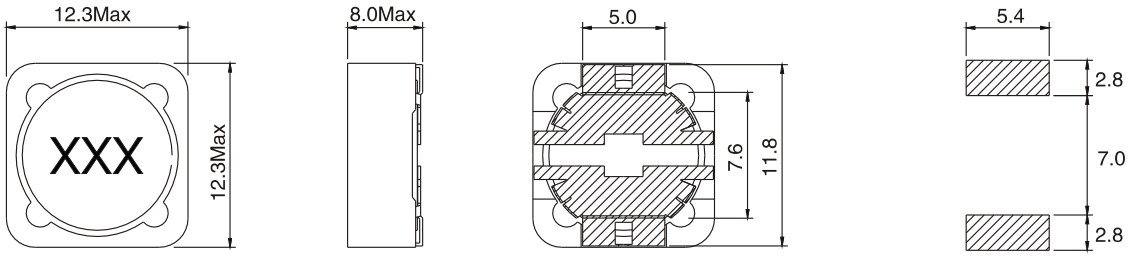
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(Ω)	IDC(A)
SDRH1207-1R2□	1R2	1.2	0.007	9.80
SDRH1207-2R4□	2R4	2.4	0.0115	8.00
SDRH1207-3R5□	3R5	3.5	0.0135	7.50
SDRH1207-4R7□	4R7	4.7	0.0158	6.80
SDRH1207-6R1□	6R1	6.1	0.0176	6.60
SDRH1207-7R6□	7R6	7.6	0.0200	5.90
SDRH1207-100□	100	10	0.0220	5.40
SDRH1207-120□	120	12	0.0243	4.90
SDRH1207-150□	150	15	0.0270	4.50
SDRH1207-180□	180	18	0.0392	3.90
SDRH1207-220□	220	22	0.0432	3.60
SDRH1207-270□	270	27	0.0459	3.40
SDRH1207-330□	330	33	0.0648	3.00
SDRH1207-390□	390	39	0.0729	2.75
SDRH1207-470□	470	47	0.100	2.50
SDRH1207-560□	560	56	0.110	2.35
SDRH1207-680□	680	68	0.140	2.10
SDRH1207-820□	820	82	0.160	1.95
SDRH1207-101□	101	100	0.220	1.70
SDRH1207-121□	121	120	0.250	1.60
SDRH1207-151□	151	150	0.280	1.42
SDRH1207-181□	181	180	0.350	1.30
SDRH1207-221□	221	220	0.390	1.16
SDRH1207-271□	271	270	0.560	1.06
SDRH1207-331□	331	330	0.640	0.95
SDRH1207-391□	391	390	0.700	0.88
SDRH1207-471□	471	470	0.980	0.79
SDRH1207-561□	561	560	1.070	0.73
SDRH1207-681□	681	680	1.460	0.67
SDRH1207-821□	821	820	1.640	0.60
SDRH1207-102□	102	1000	1.820	0.55

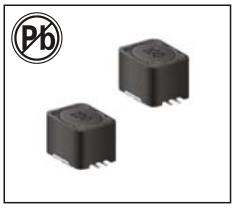
□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

- ◆Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
- ◆Operating temperature:-25℃~+85℃.



MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1209 SERIES

FEATURES:

- ShiedIded Structure
- Height of 10mm
- Current rating up to 11A
- RoHScompliant

OPTIONS:

- Tape & Reel is Standard (Qty:250pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Input/Output of DC-DC converter
- DC/DC converter
- Power supplies for: porttable communication equipment
- Camcordert
- LCD,TV,PDA,PDP

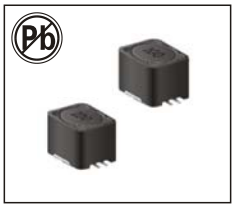
ELECTRICAL CHARACTERISTICS: 25℃

Part Number	Inductance (uH) 1KHz,0.25V	Tol. %	Q Ref.	Q Test Freq. (MHz)	SRF (MHz) Typ.	DCR Max (mΩ)	Irms (A)	Isat (A)
SDRH1209-1R0Y	1.0	±30	10	7.96	85	6.0	11.0	16.5
SDRH1209-1R8Y	1.8	±30	10	7.96	56	7.5	10.2	13.2
SDRH1209-2R2Y	2.2	±30	10	7.96	54	9.0	9.5	12.2
SDRH1209-3R3Y	3.3	±30	15	7.96	44	10	9.0	10.5
SDRH1209-4R7Y	4.7	±30	8	7.96	35	12	8.5	9.6
SDRH1209-5R6Y	5.6	±30	12	7.96	28	14	8.0	8.5
SDRH1209-6R8Y	6.8	±30	12	7.96	20	15	7.9	8.3
SDRH1209-8R2Y	8.2	±30	11	7.96	16	17	7.3	7.5
SDRH1209-100M	10	±20	16	2.52	12	18	6.5	6.5
SDRH1209-120M	12	±20	14	2.52	18	22	6.3	6.1
SDRH1209-150M	15	±20	16	2.52	10.5	32	5.8	5.3
SDRH1209-180M	18	±20	13	2.52	8.0	35	5.5	5.1
SDRH1209-220M	22	±20	16	2.52	8.0	38	5.2	4.5
SDRH1209-270M	27	±20	16	2.52	6.5	40	5.0	4.2
SDRH1209-330M	33	±20	16	2.52	6.5	52	4.4	3.7
SDRH1209-390M	39	±20	16	2.52	4.5	66	4.2	3.5
SDRH1209-470M	47	±20	16	2.52	4.5	72	3.8	3.1
SDRH1209-560M	56	±20	8	2.52	4.0	90	3.4	2.9
SDRH1209-680M	68	±20	12	2.52	3.8	102	3.0	2.7
SDRH1209-820M	82	±20	15	2.52	3.5	112	2.8	2.5
SDRH1209-101M	100	±20	16	0.796	3.0	135	2.5	2.2
SDRH1209-121M	120	±20	13	0.796	2.6	170	2.3	1.9
SDRH1209-151M	150	±20	12	0.796	2.2	190	2.2	1.8
SDRH1209-181M	180	±20	14	0.796	1.8	250	1.9	1.6
SDRH1209-221M	220	±20	15	0.796	1.8	315	1.7	1.5
SDRH1209-271M	270	±20	16	0.796	1.8	410	1.5	1.3
SDRH1209-331M	330	±20	14	0.796	1.8	450	1.4	1.2
SDRH1209-391M	390	±20	16	0.796	1.3	600	1.3	1.1
SDRH1209-471M	470	±20	12	0.796	0.85	820	1.2	1.0
SDRH1209-561M	560	±20	12	0.796	0.85	900	1.1	0.95
SDRH1209-681M	680	±20	11	0.796	0.85	1200	1.0	0.85
SDRH1209-821M	820	±20	6	0.796	0.85	1320	0.85	0.75
SDRH1209-102M	1000	±20	22	0.796	0.85	1650	0.75	0.70

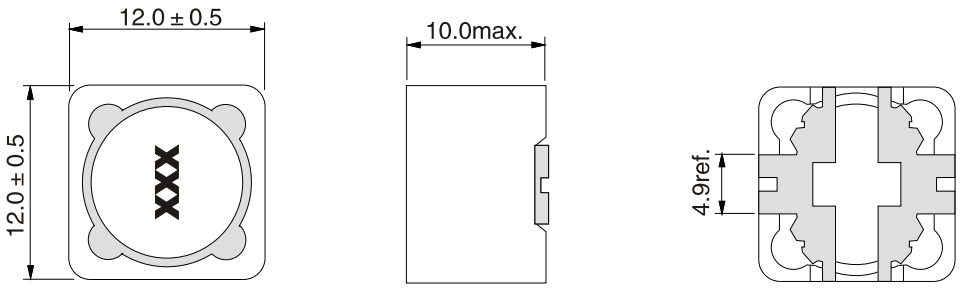
Operating Temperature.....-40℃ to +125℃(Temperature rise included)
Storage Temperature.....-40℃ to +125℃
Resistance to Soldering Heat.....260℃ for 5 sec.
Rated Current.....Inductance drop of 20 % typ. at Isat
Temperature Rise.....40℃ typ. at Irms

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

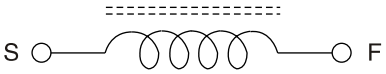
SDRH1209 SERIES

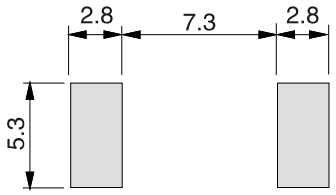


PRODUCT DIMENSIONS:

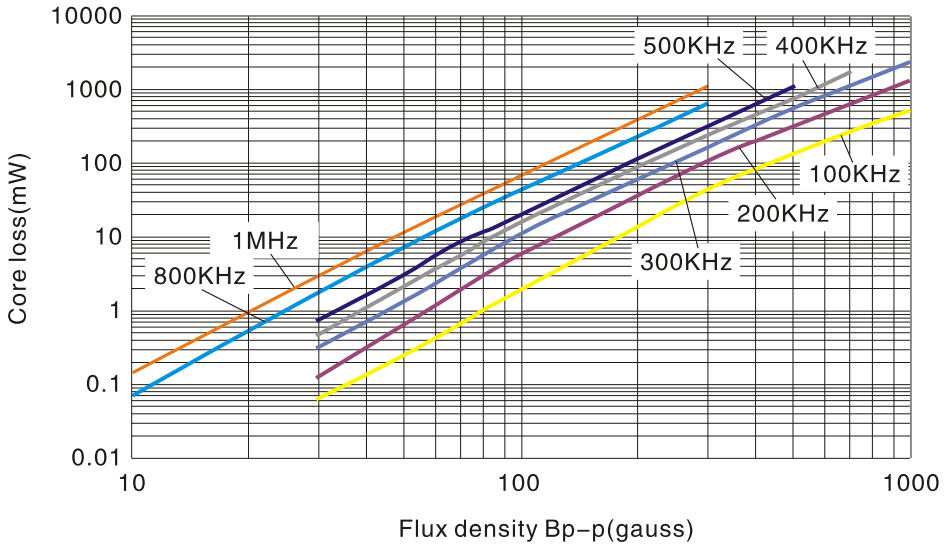


SCHEMATIC & RECOMMENDED LAYOUT:





CORE LOSS VS. FLUX DENSITY:



MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH12555 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

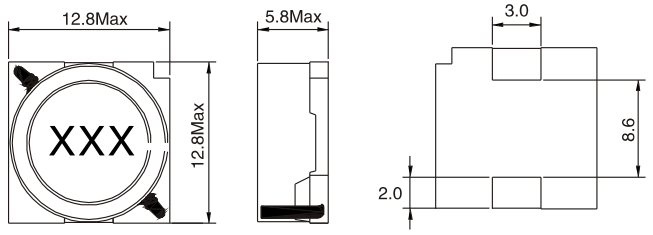
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12555–6R0□	6.0	1	0.020	3.60
SDRH12555–100□	10	1	0.026	3.40
SDRH12555–150□	15	1	0.032	2.80
SDRH12555–220□	22	1	0.041	2.30
SDRH12555–330□	33	1	0.050	1.90
SDRH12555–470□	47	1	0.075	1.60
SDRH12555–680□	68	1	0.100	1.30
SDRH12555–101□	100	1	0.150	1.10
SDRH12555–151□	150	1	0.230	0.88
SDRH12555–221□	220	1	0.330	0.72
SDRH12555–331□	330	1	0.492	0.59
SDRH12555–471□	470	1	0.624	0.49
SDRH12555–681□	680	1	0.912	0.43
SDRH12555–102□	1000	1	1.344	0.34
SDRH12555–152□	1500	1	2.076	0.29

□:1. K= ± 10%,M= ± 20%,N= ± 30%

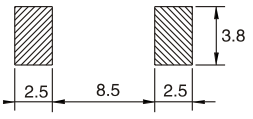
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH12565 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

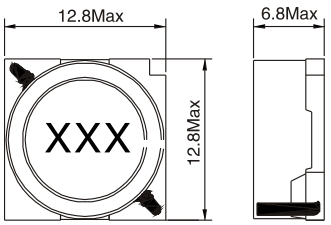
ELECTRICAL CHARACTERISTICS:

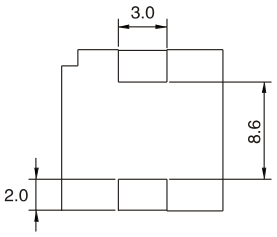
Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12565–2R2□	2.2	1	0.014	6.20
SDRH12565–4R2□	4.2	1	0.018	5.50
SDRH12565–7R0□	7.0	1	0.022	5.00
SDRH12565–100□	10	1	0.025	4.80
SDRH12565–150□	15	1	0.029	4.40
SDRH12565–220□	22	1	0.038	3.80
SDRH12565–330□	33	1	0.049	3.40
SDRH12565–470□	47	1	0.070	2.80
SDRH12565–680□	68	1	0.095	2.40
SDRH12565–101□	100	1	0.150	1.90
SDRH12565–151□	150	1	0.260	1.40
SDRH12565–221□	220	1	0.330	1.20
SDRH12565–331□	330	1	0.600	0.95

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

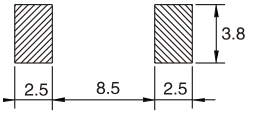
DIMENSIONS IN:mm





CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH12575 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 8.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

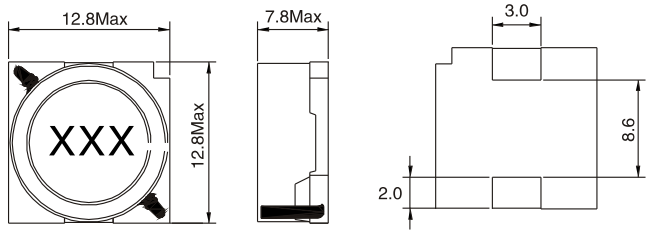
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12575–1R2□	1.2	1	0.009	8.20
SDRH12575–2R7□	2.7	1	0.012	7.00
SDRH12575–3R9□	3.9	1	0.013	6.70
SDRH12575–5R6□	5.6	1	0.014	6.30
SDRH12575–6R8□	6.8	1	0.016	5.90
SDRH12575–100□	10	1	0.019	5.40
SDRH12575–150□	15	1	0.023	5.00
SDRH12575–220□	22	1	0.032	4.00
SDRH12575–330□	33	1	0.048	3.20
SDRH12575–470□	47	1	0.064	2.70
SDRH12575–680□	68	1	0.094	2.00
SDRH12575–101□	100	1	0.150	1.90
SDRH12575–151□	150	1	0.210	1.50
SDRH12575–221□	220	1	0.310	1.30
SDRH12575–331□	330	1	0.410	1.00

□:1. K= ± 10%,M= ± 20%,N= ± 30%

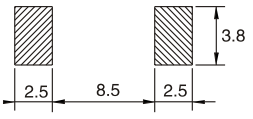
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1508 SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

COMMON APPLICATIONS:

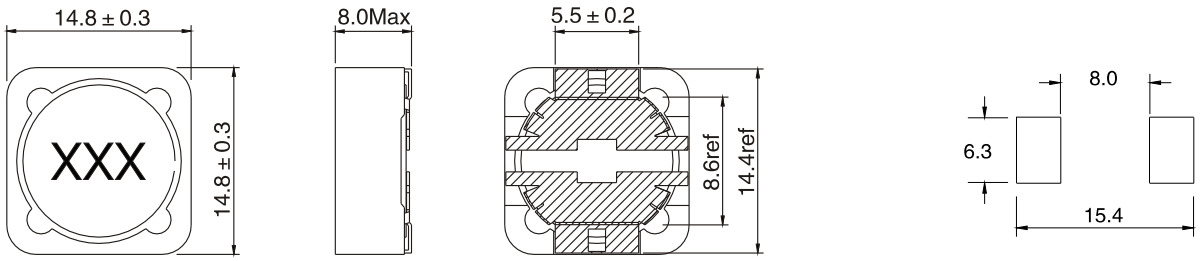
- Ideal for a variety of DC-DC converter
- DC/DC converter
- Power supplies for:
  porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

ELECTRICAL CHARACTERISTICS:

Part Number	Marking	Inductance L0(μH) ±20% @0Adc	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
SDRH1508-100M	100	10	6.6	0.038
SDRH1508-150M	150	15	6.0	0.04
SDRH1508-220M	220	22	5.5	0.048
SDRH1508-330M	330	33	4.6	0.05
SDRH1508-470M	470	47	4.0	0.1
SDRH1508-680M	680	68	3.8	0.15
SDRH1508-101M	101	100	2.5	0.135
SDRH1508-221M	221	220	2.0	0.22
SDRH1508-471M	471	470	1.5	0.5
SDRH1508-102M	102	1000	0.85	1.9
SDRH1508-222M	222	2200	0.62	2.42
SDRH1508-472M	472	4700	0.44	4.0
SDRH1508-682M	682	6800	0.35	5.5

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimensions(mm)



Winding

Notes

- Test Frequency : 100KHz / 0.1V
- Inductance is measured with HP-4284A LCR meter or equivalent.
- All test data is referenced to 25℃ ambient.
- Rated current is that which causes a 20% inductance reduction of the initial value, or coil temperature to rise by 40℃,whichever is smaller.
- Operating Temperature Range -40℃ to +125℃

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH1510 SERIES

FEATURES:

- Shiedlded Structure
- Flat–top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

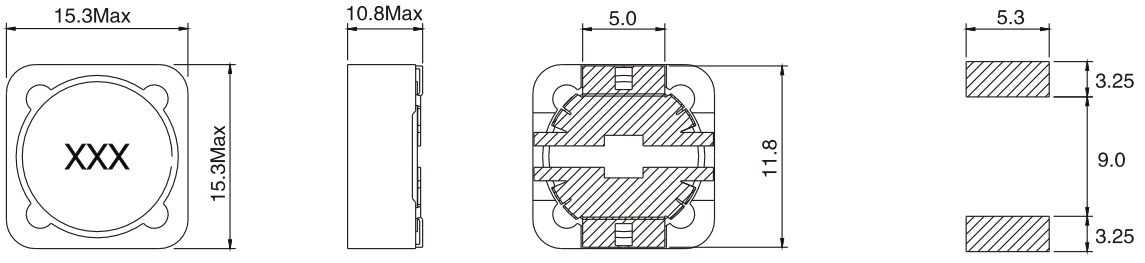
- Ideal for a variety of DC–DC converter Inductors Applications.
- DC/DC converter
- Power supplies for porttable communication equipment
- LCD,TV,PDA,PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(mΩ)	IDC(A)
SDRH1510–4R7N	4R7	4.7	10.4	8.5
SDRH1510–6R8N	6R8	6.8	15.5	7.8
SDRH1510–100M	100	10	18	7.5
SDRH1510–150M	150	15	23	7
SDRH1510–180M	180	18	29	6.8
SDRH1510–220M	220	22	31	6.2
SDRH1510–270M	270	27	33	6.0
SDRH1510–300M	300	30	35	5.8
SDRH1510–330M	330	33	37	5.5
SDRH1510–360M	360	36	38	5.3
SDRH1510–390M	390	39	40	5.0
SDRH1510–470M	470	47	45	4.6
SDRH1510–680M	680	68	48	4.2
SDRH1510–820M	820	82	56	3.5
SDRH1510–101M	101	100	82	3.0
SDRH1510–121M	121	120	110	2.6
SDRH1510–151M	151	150	131	2.5

K=10%,M=20%,N=30%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

◆Inductance is measured with HP–4284A LCR meter or equivalent.

◆ L≤8.2uH, 100KHz,0.25V
L>8.2uH, 1KHz,0.25V

◆Maximum allowable DC current is that which causes a 30% inductance reduction of the initial value, or coil temperature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)

◆Operating temperature:–40℃~+105℃(Including self temp. rise).

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH2D11 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 0.9A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

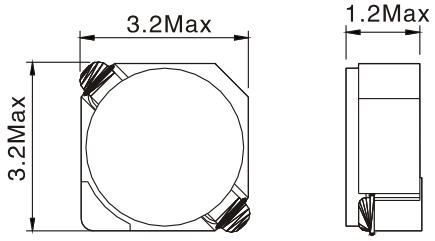
ELECTRICAL CHARACTERISTICS:

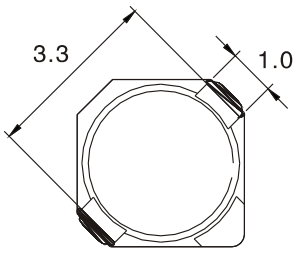
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH2D11-1R5□	1.5	100	0.068	0.90
SDRH2D11-2R2□	2.2	100	0.098	0.78
SDRH2D11-3R3□	3.3	100	0.123	0.60
SDRH2D11-4R7□	4.7	100	0.170	0.50
SDRH2D11-6R8□	6.8	100	0.260	0.44
SDRH2D11-100□	10	100	0.400	0.35
SDRH2D11-220□	22	100	1.000	0.25

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

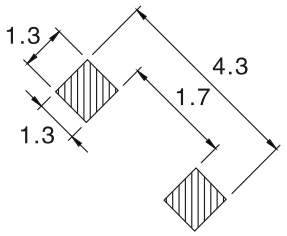
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm





LAND PATTERNS



CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH2D18 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 0.85A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

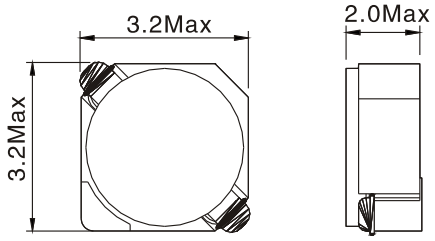
ELECTRICAL CHARACTERISTICS:

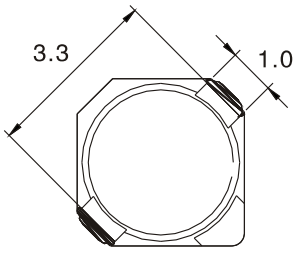
Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH2D18-2R2□	2.2	100	0.041	0.85
SDRH2D18-3R3□	3.3	100	0.054	0.75
SDRH2D18-4R7□	4.7	100	0.078	0.63
SDRH2D18-6R8□	6.8	100	0.106	0.52
SDRH2D18-100□	10	100	0.180	0.43
SDRH2D18-150□	15	100	0.220	0.35
SDRH2D18-220□	22	100	0.320	0.30
SDRH2D18-330□	33	100	0.460	0.24
SDRH2D18-470□	47	100	0.660	0.20

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

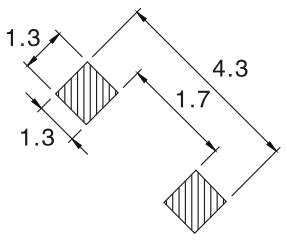
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm





LAND PATTERNS



CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH3818 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

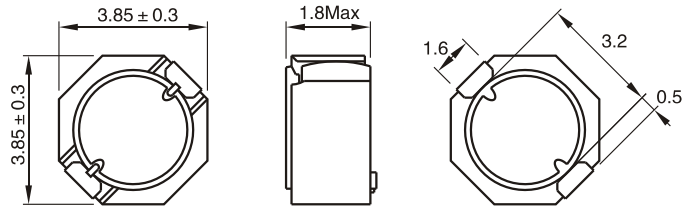
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH3818-1R0□	1.0	100	0.030	1.80
SDRH3818-2R2□	2.2	100	0.058	1.50
SDRH3818-3R3□	3.3	100	0.064	1.30
SDRH3818-4R7□	4.7	100	0.146	1.10
SDRH3818-5R6□	5.6	100	0.176	0.95
SDRH3818-6R8□	6.8	100	0.238	0.90
SDRH3818-8R2□	8.2	100	0.272	0.80
SDRH3818-100□	10	1	0.299	0.70
SDRH3818-150□	15	1	0.472	0.61
SDRH3818-220□	22	1	0.592	0.52
SDRH3818-270□	27	1	0.630	0.44
SDRH3818-330□	33	1	1.075	0.43
SDRH3818-470□	47	1	1.309	0.34
SDRH3818-680□	68	1	2.613	0.25
SDRH3818-820□	82	1	2.950	0.20
SDRH3818-101□	100	1	3.255	0.19
SDRH3818-151□	150	1	3.500	0.12

□:1. K=±10%,M=±20%,N=±30%

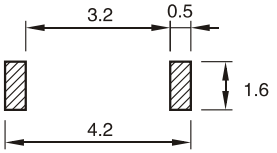
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH3D16 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

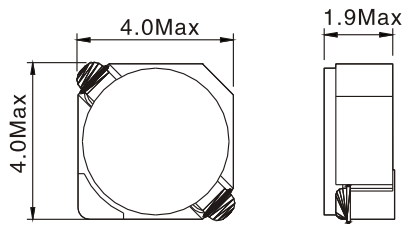
ELECTRICAL CHARACTERISTICS:

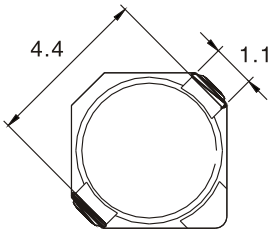
Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH3D16-1R0□	1.0	100	0.048	1.80
SDRH3D16-1R5□	1.5	100	0.054	1.55
SDRH3D16-2R2□	2.2	100	0.072	1.20
SDRH3D16-3R3□	3.3	100	0.105	1.03
SDRH3D16-3R9□	3.9	100	0.118	1.02
SDRH3D16-4R7□	4.7	100	0.132	0.95
SDRH3D16-5R6□	5.6	100	0.148	0.75
SDRH3D16-6R8□	6.8	100	0.195	0.73
SDRH3D16-8R2□	8.2	100	0.250	0.65
SDRH3D16-100□	10	100	0.275	0.58
SDRH3D16-120□	12	100	0.312	0.50
SDRH3D16-150□	15	100	0.412	0.46
SDRH3D16-180□	18	100	0.462	0.43
SDRH3D16-220□	22	100	0.600	0.40
SDRH3D16-270□	27	100	0.712	0.35
SDRH3D16-330□	33	100	0.925	0.32
SDRH3D16-390□	39	100	1.062	0.28
SDRH3D16-470□	47	100	1.175	0.26

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

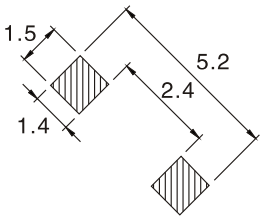
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm





LAND PATTERNS

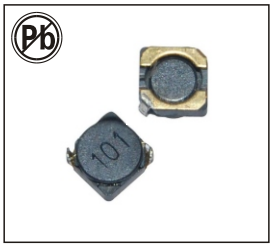


CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH4D18 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.72A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

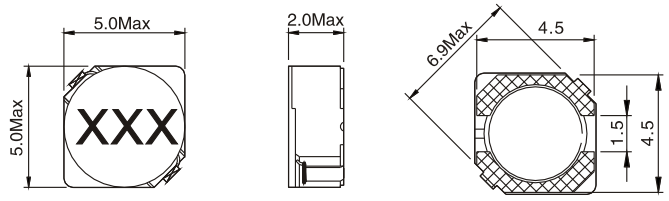
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH4D18–1R0□	1.0	100	0.034	1.72
SDRH4D18–2R2□	2.2	100	0.045	1.32
SDRH4D18–2R7□	2.7	100	0.058	1.28
SDRH4D18–3R3□	3.3	100	0.070	1.04
SDRH4D18–3R9□	3.9	100	0.082	0.88
SDRH4D18–4R7□	4.7	100	0.093	0.84
SDRH4D18–5R6□	5.6	100	0.112	0.80
SDRH4D18–6R8□	6.8	100	0.140	0.76
SDRH4D18–8R2□	8.2	100	0.174	0.68
SDRH4D18–100□	10	100	0.200	0.61
SDRH4D18–120□	12	100	0.229	0.56
SDRH4D18–150□	15	100	0.261	0.50
SDRH4D18–180□	18	100	0.295	0.48
SDRH4D18–220□	22	100	0.397	0.41
SDRH4D18–270□	27	100	0.441	0.35
SDRH4D18–330□	33	100	0.525	0.32
SDRH4D18–390□	39	100	0.60	0.30
SDRH4D18–470□	47	100	0.72	0.28
SDRH4D18–560□	56	100	0.83	0.25
SDRH4D18–680□	68	100	0.97	0.23
SDRH4D18–820□	82	100	1.53	0.21
SDRH4D18–101□	100	100	1.68	0.20
SDRH4D18–121□	120	100	2.06	0.19
SDRH4D18–151□	150	100	2.58	0.17
SDRH4D18–181□	180	100	2.95	0.16
SDRH4D18–221□	220	100	4.17	0.15
SDRH4D18–271□	270	100	4.70	0.13
SDRH4D18–331□	330	100	5.37	0.12
SDRH4D18–391□	390	100	8.91	0.11

□Note:1. K=±10%,M=±20%,N=±30%

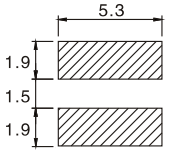
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

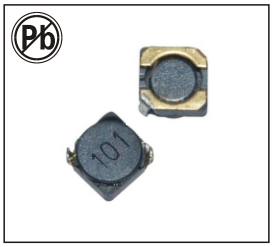
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH4D28 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.56A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

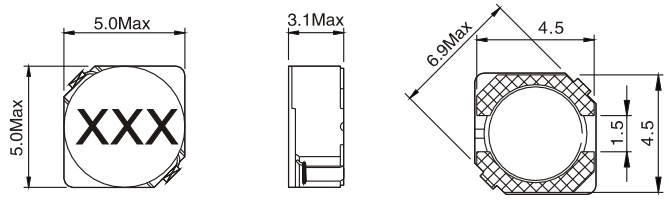
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH4D28-1R0☐	1.0	100	25.3	2.56
SDRH4D28-1R5☐	1.5	100	31.8	2.38
SDRH4D28-1R8☐	1.8	100	36.9	2.20
SDRH4D28-2R7☐	2.7	100	50.4	1.60
SDRH4D28-3R3☐	3.3	100	57.6	1.57
SDRH4D28-3R9☐	3.9	100	66.4	1.44
SDRH4D28-4R7☐	4.7	100	72.0	1.32
SDRH4D28-5R6☐	5.6	100	80.0	1.17
SDRH4D28-6R8☐	6.8	100	92.0	1.12
SDRH4D28-8R2☐	8.2	100	98.0	1.04
SDRH4D28-100☐	10	100	103	1.00
SDRH4D28-120☐	12	100	128	0.84
SDRH4D28-150☐	15	100	144	0.76
SDRH4D28-180☐	18	100	186	0.72
SDRH4D28-220☐	22	100	218	0.70
SDRH4D28-270☐	27	100	252	0.58
SDRH4D28-330☐	33	100	285	0.56
SDRH4D28-390☐	39	100	408	0.50
SDRH4D28-470☐	47	100	440	0.48
SDRH4D28-560☐	56	100	550	0.41
SDRH4D28-680☐	68	100	620	0.35
SDRH4D28-820☐	82	100	920	0.32
SDRH4D28-101☐	100	100	1030	0.29
SDRH4D28-121☐	120	100	1520	0.27
SDRH4D28-151☐	150	100	1680	0.24
SDRH4D28-181☐	180	100	1900	0.22

☐Note:1. K=±10%,M=±20%,N=±30%

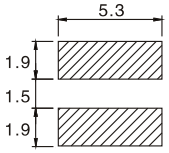
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH5018 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

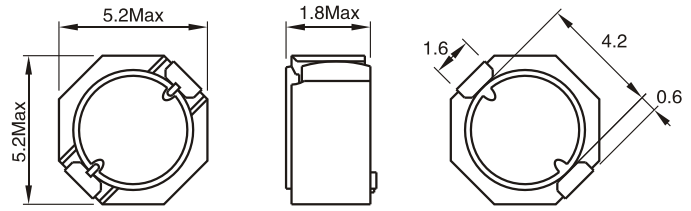
ELECTRICAL CHARACTERISTICS:

Part Number	L (μ H)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH5018-1R2□	1.2	100	0.054	1.80
SDRH5018-1R8□	1.8	100	0.065	1.60
SDRH5018-2R3□	2.3	100	0.076	1.50
SDRH5018-3R6□	3.6	100	0.097	1.20
SDRH5018-4R3□	4.3	100	0.100	1.10
SDRH5018-5R1□	5.1	100	0.130	1.00
SDRH5018-6R8□	6.8	100	0.150	0.94
SDRH5018-100□	10	100	0.220	0.80
SDRH5018-150□	15	100	0.325	0.64
SDRH5018-180□	18	100	0.380	0.56
SDRH5018-220□	22	100	0.540	0.49
SDRH5018-330□	33	100	0.770	0.41
SDRH5018-470□	47	100	1.120	0.33

□:1. K= ± 10%,M= ± 20%,N= ± 30%

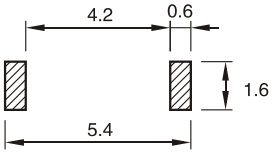
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH5020 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.15A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

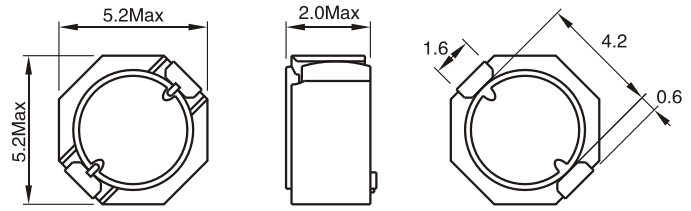
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH5020–1R2□	1.2	100	0.044	2.15
SDRH5020–2R2□	2.2	100	0.059	1.63
SDRH5020–3R3□	3.3	100	0.062	1.50
SDRH5020–4R7□	4.7	100	0.087	1.14
SDRH5020–6R8□	6.8	100	0.105	0.95
SDRH5020–8R2□	8.2	100	0.139	0.90
SDRH5020–100□	10	1	0.150	0.76
SDRH5020–150□	15	1	0.210	0.63
SDRH5020–220□	22	1	0.275	0.56
SDRH5020–330□	33	1	0.455	0.44
SDRH5020–470□	47	1	0.730	0.35
SDRH5020–680□	68	1	0.935	0.30
SDRH5020–101□	100	1	1.500	0.23
SDRH5020–121□	120	1	1.910	0.22
SDRH5020–151□	150	1	2.680	0.21
SDRH5020–181□	180	1	3.040	0.20
SDRH5020–221□	220	1	3.520	0.195
SDRH5020–271□	270	1	4.380	0.193
SDRH5020–331□	330	1	5.560	0.190
SDRH5020–471□	470	1	7.820	0.180

□:1. K=±10%,M=±20%,N=±30%

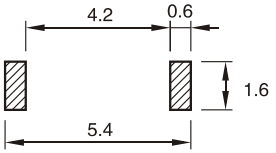
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
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- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH5028 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 4.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

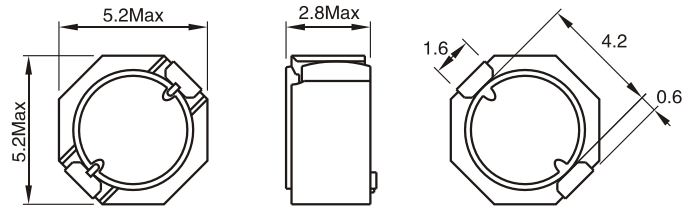
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH5028-1R0□	1.0	100	0.015	4.00
SDRH5028-2R2□	2.2	100	0.029	2.41
SDRH5028-3R3□	3.3	100	0.034	2.36
SDRH5028-4R7□	4.7	100	0.045	1.87
SDRH5028-5R6□	5.6	100	0.052	1.60
SDRH5028-6R8□	6.8	100	0.068	1.51
SDRH5028-100□	10	1	0.090	1.33
SDRH5028-150□	15	1	0.142	1.05
SDRH5028-220□	22	1	0.208	0.86
SDRH5028-330□	33	1	0.257	0.72
SDRH5028-470□	47	1	0.352	0.62
SDRH5028-680□	68	1	0.525	0.51
SDRH5028-101□	100	1	0.801	0.43
SDRH5028-121□	120	1	0.850	0.34
SDRH5028-151□	150	1	1.100	0.26
SDRH5028-181□	180	1	1.190	0.24
SDRH5028-221□	220	1	1.530	0.20

□:1. K=±10%,M=±20%,N=±30%

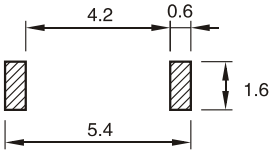
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS

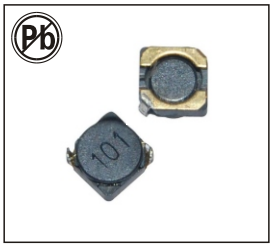


- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH5D18 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.86A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

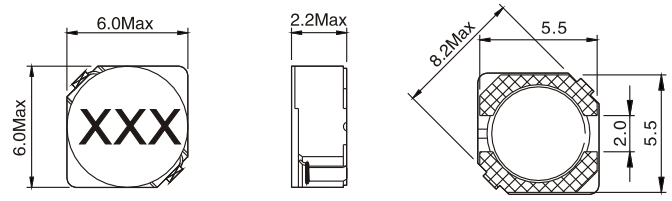
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH5D18–1R0□	1.0	10	0.028	3.86
SDRH5D18–1R5□	1.5	10	0.036	3.12
SDRH5D18–2R2□	2.2	10	0.043	2.63
SDRH5D18–2R7□	2.7	10	0.051	2.38
SDRH5D18–3R5□	3.5	10	0.063	1.95
SDRH5D18–4R7□	4.7	10	0.072	1.76
SDRH5D18–5R6□	5.6	10	0.083	1.60
SDRH5D18–6R8□	6.8	10	0.102	1.40
SDRH5D18–8R2□	8.2	10	0.116	1.25
SDRH5D18–100□	10	10	0.124	1.20
SDRH5D18–120□	12	10	0.162	1.10
SDRH5D18–150□	15	10	0.204	0.97
SDRH5D18–180□	18	10	0.226	0.85
SDRH5D18–220□	22	10	0.265	0.80
SDRH5D18–270□	27	10	0.320	0.75
SDRH5D18–330□	33	10	0.380	0.65
SDRH5D18–390□	39	10	0.496	0.57
SDRH5D18–470□	47	10	0.525	0.54
SDRH5D18–560□	56	10	0.795	0.50
SDRH5D18–680□	68	10	0.860	0.43
SDRH5D18–820□	82	10	0.980	0.41
SDRH5D18–101□	100	10	1.250	0.36

□Note:1. K=±10%,M=±20%,N=±30%

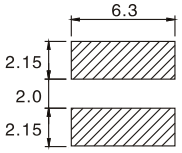
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

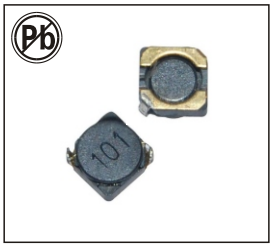
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH5D28 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

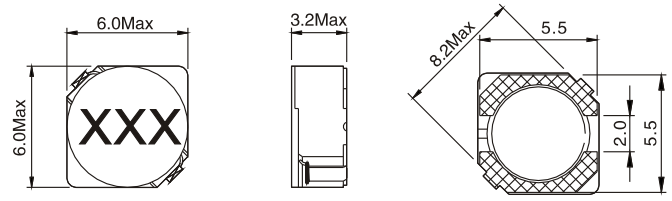
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH5D28-2R5□	2.5	10	0.018	2.60
SDRH5D28-3R0□	3.0	10	0.024	2.40
SDRH5D28-4R2□	4.2	10	0.031	2.20
SDRH5D28-5R3□	5.3	10	0.038	1.90
SDRH5D28-6R2□	6.2	10	0.045	1.80
SDRH5D28-8R2□	8.2	10	0.053	1.60
SDRH5D28-100□	10	10	0.065	1.30
SDRH5D28-120□	12	10	0.076	1.20
SDRH5D28-150□	15	10	0.103	1.10
SDRH5D28-180□	18	10	0.110	1.00
SDRH5D28-220□	22	10	0.112	0.90
SDRH5D28-270□	27	10	0.175	0.85
SDRH5D28-330□	33	10	0.189	0.75
SDRH5D28-390□	39	10	0.212	0.70
SDRH5D28-470□	47	10	0.250	0.62
SDRH5D28-560□	56	10	0.305	0.58
SDRH5D28-680□	68	10	0.355	0.52
SDRH5D28-820□	82	10	0.463	0.46
SDRH5D28-101□	100	10	0.520	0.42

□:1. K= ± 10%,M= ± 20%,N= ± 30%

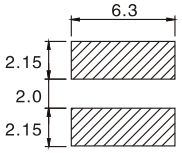
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH6025 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

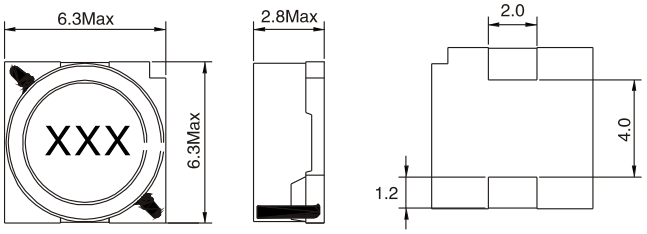
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH6025-1R0□	1.0	100	0.016	2.70
SDRH6025-2R7□	2.7	100	0.022	1.80
SDRH6025-4R7□	4.7	100	0.037	1.50
SDRH6025-6R8□	6.8	100	0.054	1.30
SDRH6025-100□	10	100	0.069	1.00
SDRH6025-150□	15	100	0.102	0.88
SDRH6025-220□	22	100	0.147	0.73
SDRH6025-330□	33	100	0.216	0.59
SDRH6025-470□	47	100	0.288	0.48
SDRH6025-680□	68	100	0.444	0.42
SDRH6025-101□	100	100	0.600	0.33

□:1. K= ± 10%,M= ± 20%,N= ± 30%

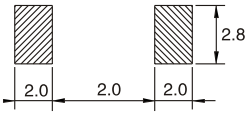
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH6028 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

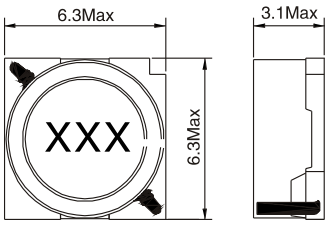
ELECTRICAL CHARACTERISTICS:

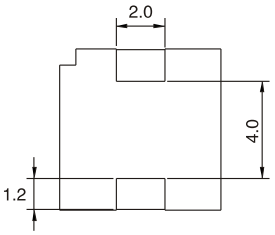
Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH6028-4R7□	4.7	1	0.035	1.60
SDRH6028-6R8□	6.8	1	0.043	1.50
SDRH6028-100□	10	1	0.064	1.30
SDRH6028-150□	15	1	0.090	1.00
SDRH6028-220□	22	1	0.125	0.77
SDRH6028-330□	33	1	0.178	0.69
SDRH6028-470□	47	1	0.252	0.59
SDRH6028-680□	68	1	0.348	0.50
SDRH6028-101□	100	1	0.516	0.42

□:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

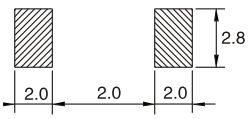
DIMENSIONS IN:mm





CONSTRUCTION

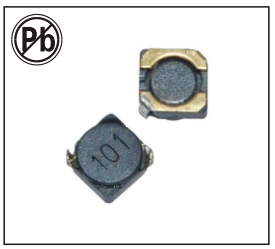
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH6D28 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

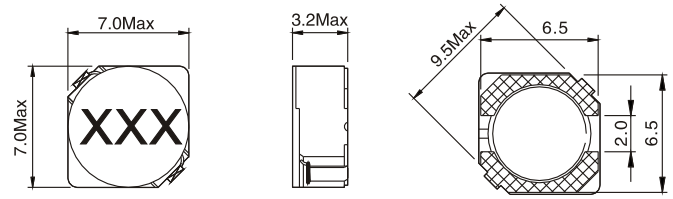
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH6D28-3R0□	3.0	10	24	3.00
SDRH6D28-3R9□	3.9	10	27	2.60
SDRH6D28-5R0□	5.0	10	31	2.40
SDRH6D28-6R0□	6.0	10	35	2.25
SDRH6D28-7R3□	7.3	10	54	2.10
SDRH6D28-8R6□	8.6	10	58	1.85
SDRH6D28-100□	10	10	65	1.70
SDRH6D28-120□	12	10	70	1.55
SDRH6D28-150□	15	10	84	1.40
SDRH6D28-180□	18	10	95	1.32
SDRH6D28-220□	22	10	128	1.20
SDRH6D28-270□	27	10	142	1.05
SDRH6D28-330□	33	10	165	0.97
SDRH6D28-390□	39	10	210	0.86
SDRH6D28-470□	47	10	238	0.80
SDRH6D28-560□	56	10	277	0.73
SDRH6D28-680□	68	10	304	0.65
SDRH6D28-820□	82	10	390	0.60
SDRH6D28-101□	100	10	535	0.54

□:1. K= ± 10%,M= ± 20%,N= ± 30%

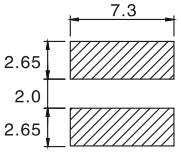
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

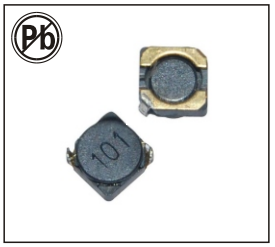
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH6D38 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

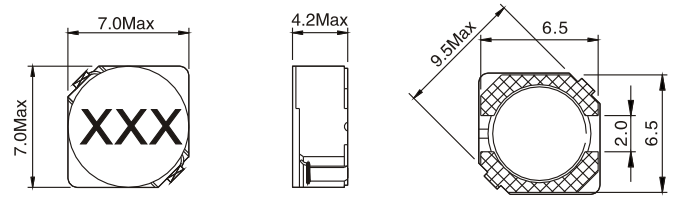
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH6D38-3R3□	3.3	10	20	3.20
SDRH6D38-5R0□	5.0	10	24	2.60
SDRH6D38-6R2□	6.2	10	27	2.30
SDRH6D38-7R4□	7.4	10	31	2.10
SDRH6D38-8R7□	8.7	10	34	2.00
SDRH6D38-100□	10	10	44	1.80
SDRH6D38-120□	12	10	53	1.70
SDRH6D38-150□	15	10	57	1.45
SDRH6D38-180□	18	10	92	1.40
SDRH6D38-220□	22	10	96	1.20
SDRH6D38-270□	27	10	109	1.10
SDRH6D38-330□	33	10	124	1.00
SDRH6D38-390□	39	10	138	0.95
SDRH6D38-470□	47	10	155	0.85
SDRH6D38-560□	56	10	202	0.75
SDRH6D38-680□	68	10	234	0.70
SDRH6D38-820□	82	10	324	0.62
SDRH6D38-101□	100	10	358	0.58

□:1. K= ± 10%,M= ± 20%,N= ± 30%

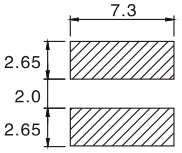
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH7028 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

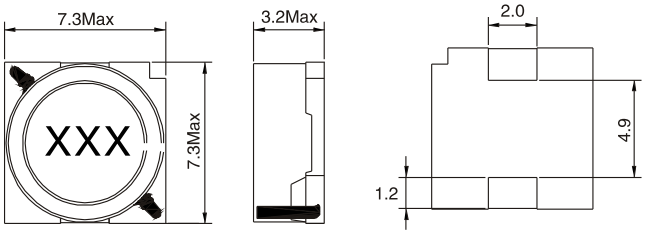
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7028-3R3□	3.3	1	0.045	1.60
SDRH7028-4R7□	4.7	1	0.054	1.50
SDRH7028-6R8□	6.8	1	0.071	1.30
SDRH7028-100□	10	1	0.100	1.10
SDRH7028-150□	15	1	0.156	0.88
SDRH7028-220□	22	1	0.216	0.75
SDRH7028-330□	33	1	0.288	0.65
SDRH7028-470□	47	1	0.408	0.54

□:1. K=±10%,M=±20%,N=±30%

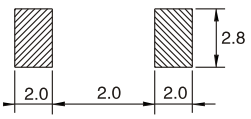
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH7030 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

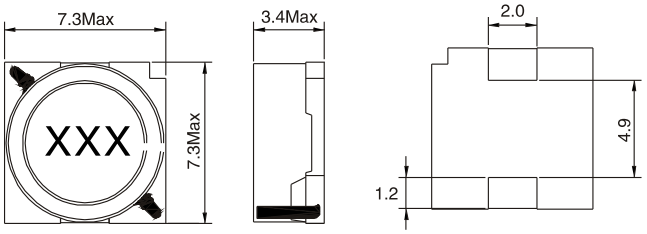
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7030-3R3□	3.3	1	0.028	1.80
SDRH7030-4R7□	4.7	1	0.044	1.60
SDRH7030-6R8□	6.8	1	0.050	1.50
SDRH7030-100□	10	1	0.064	1.30
SDRH7030-150□	15	1	0.110	1.00
SDRH7030-220□	22	1	0.132	0.86
SDRH7030-330□	33	1	0.192	0.65
SDRH7030-470□	47	1	0.288	0.57
SDRH7030-680□	68	1	0.372	0.49
SDRH7030-101□	100	1	0.540	0.35

□:1. K=±10%,M=±20%,N=±30%

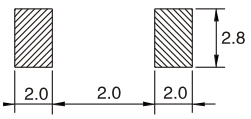
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH7032 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.9A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

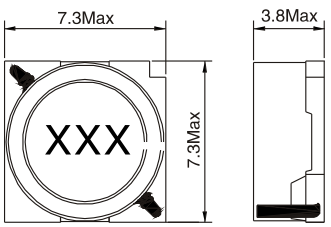
ELECTRICAL CHARACTERISTICS:

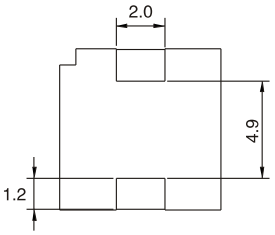
Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7032–3R3□	3.3	1	0.028	1.90
SDRH7032–4R7□	4.7	1	0.044	1.70
SDRH7032–6R8□	6.8	1	0.050	1.60
SDRH7032–100□	10	1	0.064	1.40
SDRH7032–150□	15	1	0.090	1.10
SDRH7032–220□	22	1	0.132	0.96
SDRH7032–330□	33	1	0.192	0.75
SDRH7032–470□	47	1	0.288	0.67
SDRH7032–680□	68	1	0.372	0.59
SDRH7032–101□	100	1	0.542	0.45
SDRH7032–151□	150	1	0.780	0.37
SDRH7032–221□	220	1	1.260	0.29
SDRH7032–331□	330	1	2.010	0.22
SDRH7032–471□	470	1	2.460	0.20
SDRH7032–681□	680	1	3.780	0.16
SDRH7032–102□	1000	1	5.740	0.13

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

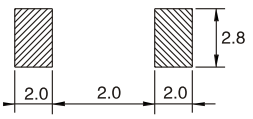
DIMENSIONS IN:mm





CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH7045 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

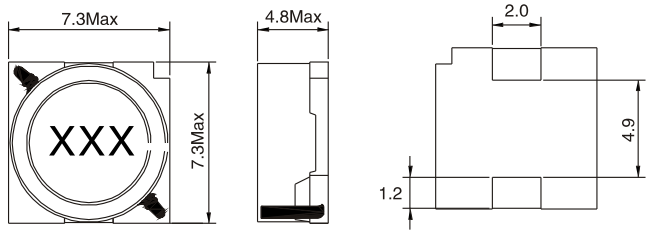
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7045-3R3□	3.3	1	0.034	2.20
SDRH7045-4R7□	4.7	1	0.038	2.10
SDRH7045-6R8□	6.8	1	0.047	1.90
SDRH7045-100□	10	1	0.057	1.80
SDRH7045-150□	15	1	0.082	1.46
SDRH7045-220□	22	1	0.099	1.25
SDRH7045-330□	33	1	0.144	1.10
SDRH7045-470□	47	1	0.216	0.90
SDRH7045-680□	68	1	0.324	0.75
SDRH7045-101□	100	1	0.468	0.60
SDRH7045-151□	150	1	0.660	0.50
SDRH7045-221□	220	1	0.996	0.40
SDRH7045-331□	330	1	1.380	0.35
SDRH7045-471□	470	1	2.160	0.31

□:1. K= ± 10%,M= ± 20%,N= ± 30%

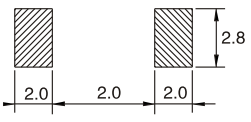
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH8D28 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 5.4A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

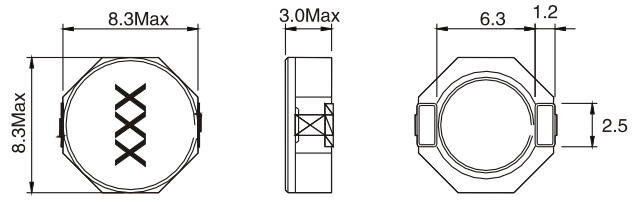
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH8D28–2R5□	2.5	100	18.5	5.4
SDRH8D28–3R3□	3.3	100	24.6	4.8
SDRH8D28–4R7□	4.7	100	36.8	4.0
SDRH8D28–6R8□	6.8	100	48.4	3.2
SDRH8D28–100□	100	100	62.2	2.7
SDRH8D28–150□	150	100	93.5	2.2
SDRH8D28–220□	220	100	156.6	1.8
SDRH8D28–330□	330	100	205.2	1.4
SDRH8D28–470□	470	100	266.1	1.25
SDRH8D28–680□	680	100	368.5	0.96
SDRH8D28–101□	101	100	610.8	0.78

□:1. K= ± 10%,M= ± 20%,N= ± 30%

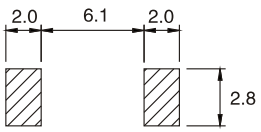
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

SDRH8D43 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.4A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

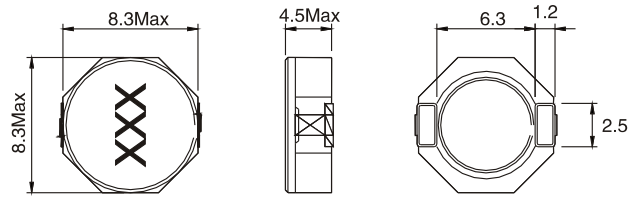
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH8D43–2R0□	2.0	100	14	6.4
SDRH8D43–3R9□	3.9	100	19	5.0
SDRH8D43–4R7□	4.7	100	22	4.6
SDRH8D43–6R8□	6.8	100	32	4.2
SDRH8D43–100□	10	100	40	3.6
SDRH8D43–150□	15	100	58	2.6
SDRH8D43–220□	22	100	96	2.1
SDRH8D43–330□	33	100	144	1.6
SDRH8D43–470□	47	100	195	1.4
SDRH8D43–680□	68	100	240	1.2
SDRH8D43–101□	100	100	360	0.9

□:1. K=±10%,M=±20%,N=±30%

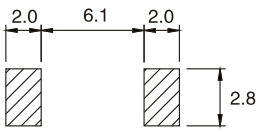
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.