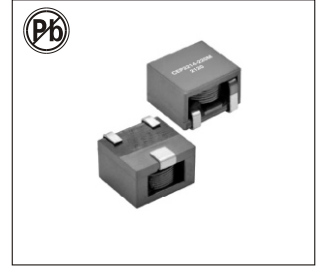


SMD HIGH CURRENT POWER INDUCTOR CEP2214 SERIES



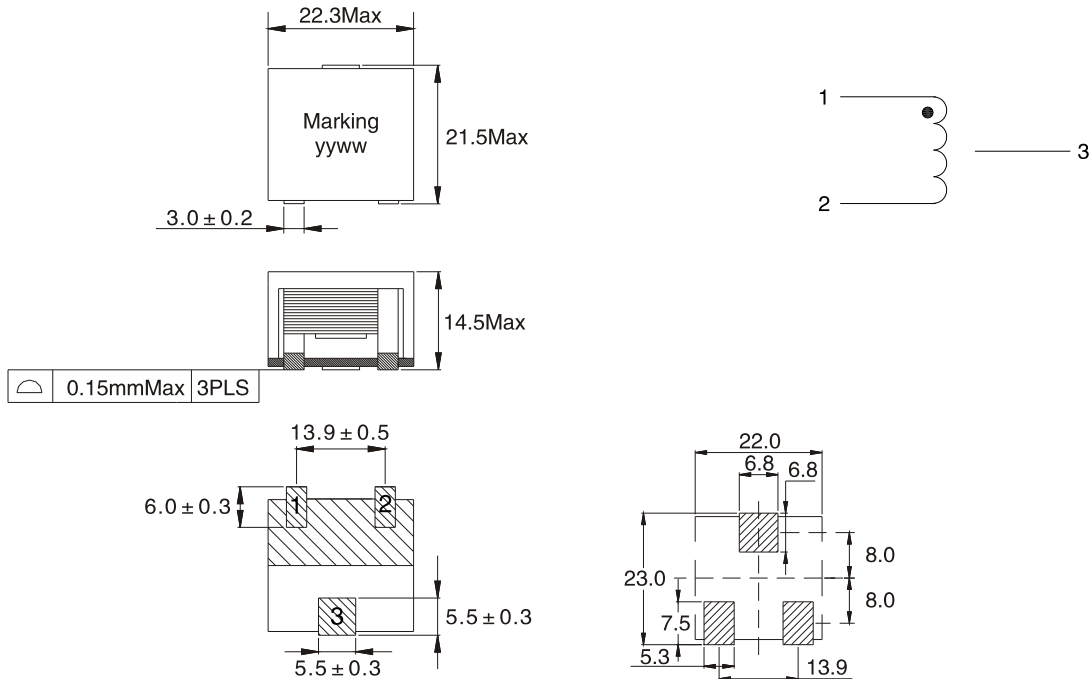
FEATURES:

- Magnetic shielding structure, excellent resistance to electromagnetic interference
- Flat wire winding, low ESR, small parasitic capacitance
- Additional terminal design structure, soldering firmly
- Compact design saves installation area
- Low power loss, suitable for applications of wide temperature and frequency range

ELECTRICAL CHARACTERISTICS:@25°C

| Part Number | Inductance (uH) ± 20% | DCR (mΩ) Max | Saturation current Isat(A) | Temperature rise current Irms(A) |
|--------------|-----------------------|--------------|----------------------------|----------------------------------|
| CEP2214-3R3M | 3.3 | 1.87 | 52 | 36.5 |
| CEP2214-6R8M | 6.8 | 1.87 | 27 | 36.5 |
| CEP2214-120M | 12.0 | 4.32 | 23.2 | 23.5 |
| CEP2214-220M | 22.0 | 4.32 | 12.5 | 23.5 |
| CEP2214-330M | 33.0 | 12.6 | 13.5 | 12.8 |
| CEP2214-470M | 47.0 | 12.6 | 10 | 12.8 |

PHYSICAL CHARACTERISTICS: WINDING:

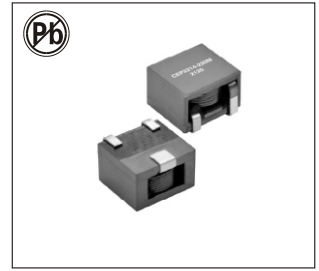


GENERAL SPECIFICATIONS:

- All data is tested based on 25 °C ambient temperature
- Inductance measure condition at 100kHz, 1.0V.
- Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value
- Temperature rise current: the actual value of DC current when the temperature rise is Δ T40 °C (Ta=25 °C)
- Special remind:Circuit design, component placement, PCB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application
- Operating temperature : -40 °C to +125 °C (Including coil's temperature rise)

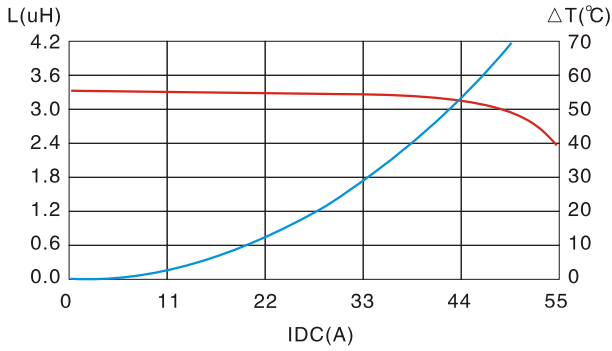
Note:All specifications subject to change without notice.

SMD HIGH CURRENT POWER INDUCTOR CEP2214 SERIES

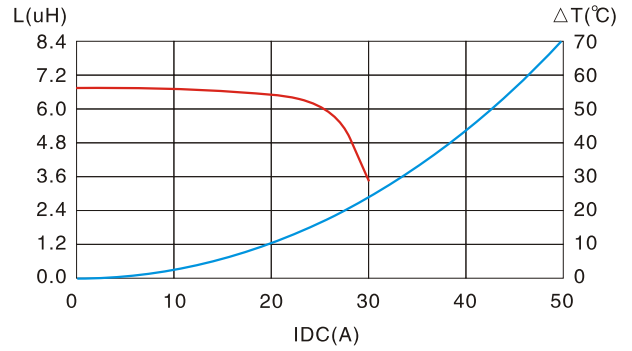


SATURATION CURRENT VS TEMPERATURE RISE CURRENT CURVE

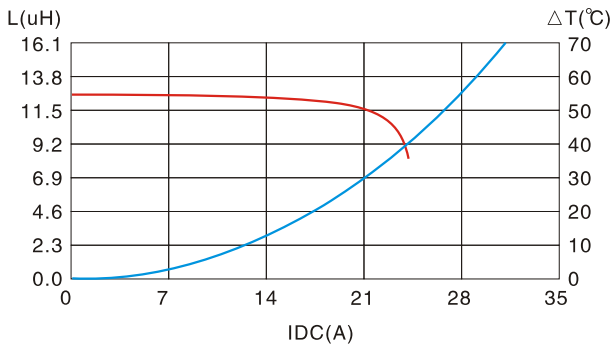
CEP2214-3R3M



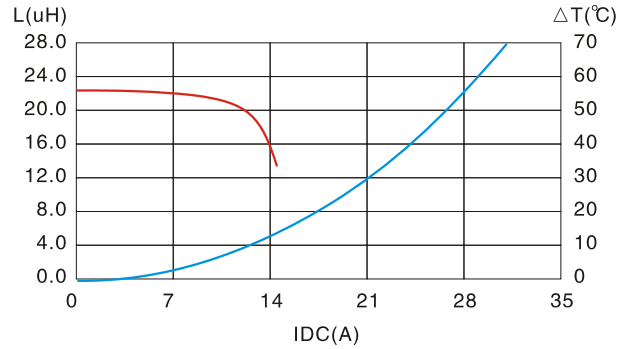
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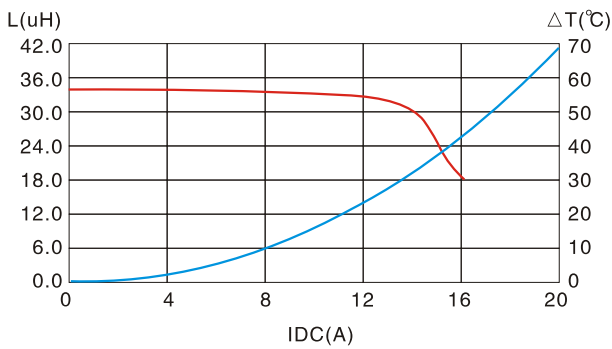
CEP2214-120M



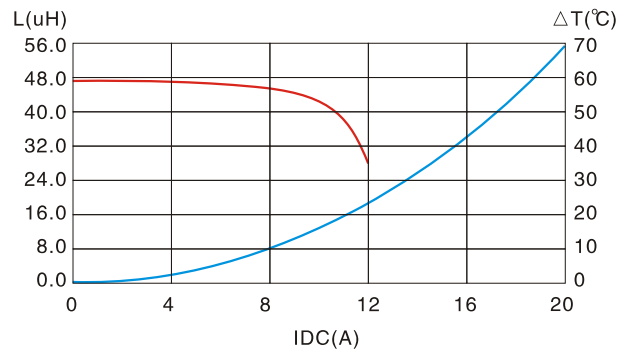
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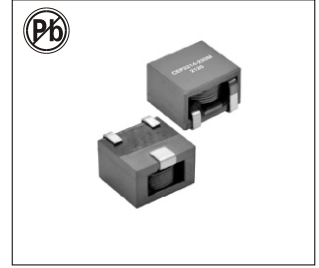
CEP2214-330M



CEP2214-470M

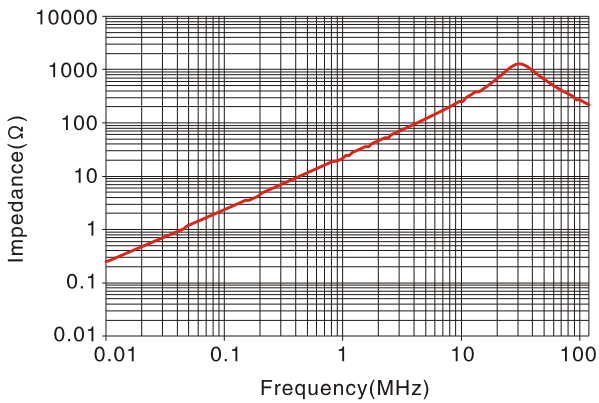


SMD HIGH CURRENT POWER INDUCTOR CEP2214 SERIES

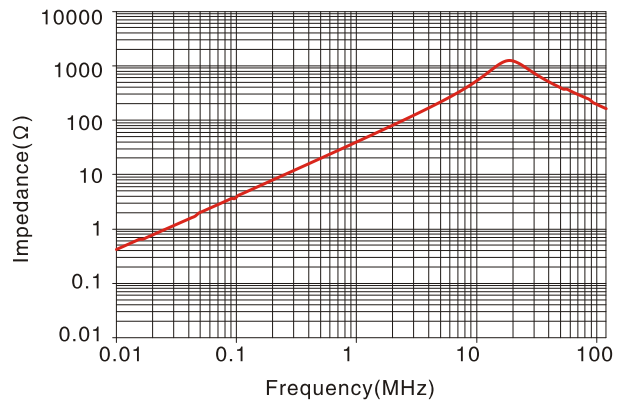


IMPEDANCE VS FREQUENCY

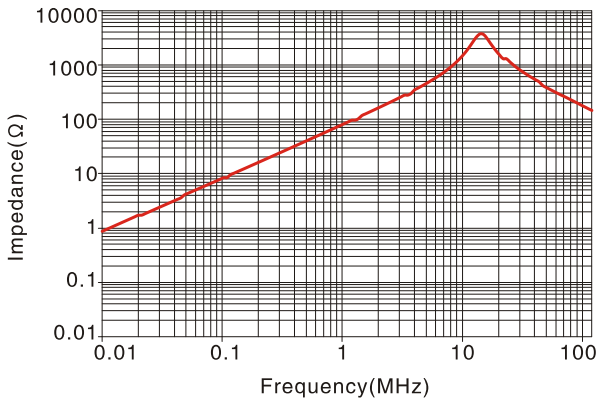
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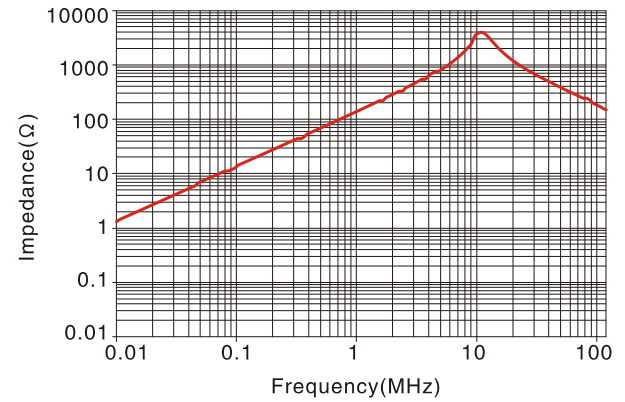
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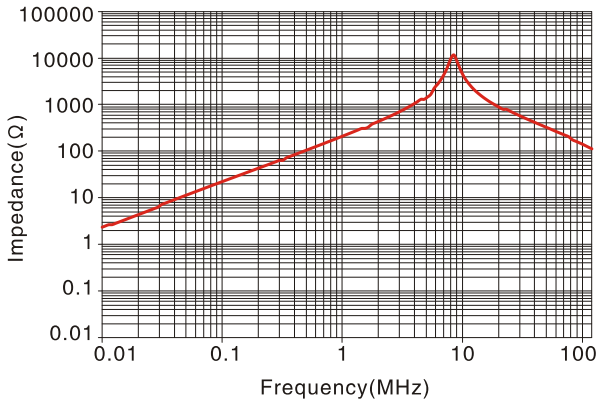
CEP2214-120M



CEP2214-220M



CEP2214-330M



CEP2214-470M

