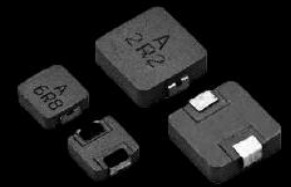




ULTRA HIGH CURRENT SMD INDUCTOR

HR 1574- 1004/1005 Series



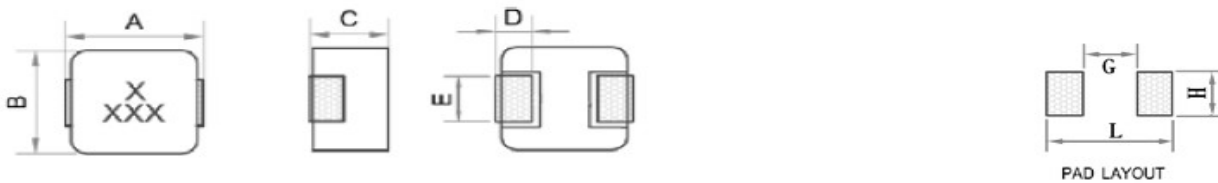
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Applications:

- DC/DC converter fo CPU .
- LCD displays,HDDs,etc.
- Thin types on-board power supply module for exchanger.
- Saturation Current (Isat):The current will cause L to drop approximately 30% typical.
- Temperature Rise Current (Irms):The current will be cause the temperature coil rise approximately $\Delta t=40^{\circ}\text{C}$
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- All parts meet ROHS compliance

Shape and Dimensions



MODEL	A	B	C	D	E	G	H	L
HR 1574 1004	11.8±0.2	10.5±0.2	4.2±0.2	2.3±0.3	3.0±0.2	5.4	4.5	12.4
HR 1574 1005	11.8±0.2	10.5±0.2	5.0±0.2	2.3±0.3	3.0±0.2	5.4	4.5	12.4

- All measures are in mm.
- Low loss realized with low DCR.
- Shielded construction.
- Referenced ambient at 20° C.
- Test Condition : 1MHz, 1.0Vrms.
- I sat(Typ) : DC current (a) that will cause L0 to drop approximately 30 %.
- I sat(Max) : DC current (a) that will cause L0 to drop 30 % max.
- I rms(Typ) : DC current (a) that will cause an approximate ΔT of 40°C.
- I rms(Max) : DC current (a) that will cause an ΔT of 40°C max.

Product Identification

HR 1574 **1004.** **1R** **M**
 •(1) •(2) •(3) •(4)

- (1) Series: High Power Inductors.
- (2) Dimensions: 104 is size.
- (3) Inductance: 0.1uH(1R0) for 1.0uH.
- (4) Inductance tolerance:M:±20%.