



SMD HIGH POWER INDUCTOR



HR 1572 0410/0412/0415/0402 Series

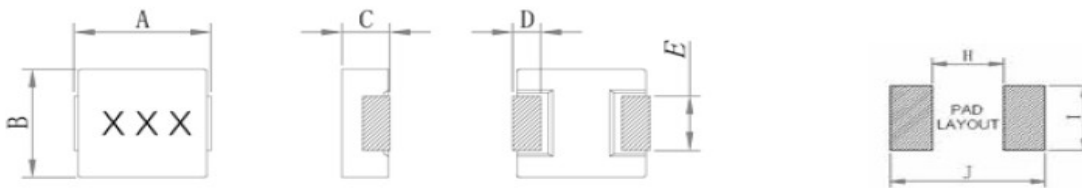
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Applications:

- 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	H	I	J
HR 1572 0410	4.4±0.2	4.0±0.2	0.8±0.2	0.76±0.3	2.0±0.2	2.16	2.3	2.3
HR 1572 0412	4.4±0.2	4.0±0.2	1.0±0.2	0.76±0.3	2.0±0.2	2.16	2.3	2.3
HR 1572 0415	4.4±0.2	4.0±0.2	1.3±0.2	0.76±0.3	2.0±0.2	2.16	2.3	2.3
HR 1572 0402	4.4±0.2	4.0±0.2	1.8±0.2	0.76±0.3	2.0±0.2	2.16	2.3	2.3

• All measures are in mm.

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- Low loss realized with low DCR.
- 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 1572

•(1)

0410

•(2)

1R

•(3)

M

•(4)

- (1) Series: High Power Inductors.
- (2) Dimensions: 0410 is size.
- (3) Inductance: 0.1uH(1R0) for 1.0uH.
- (4) Inductance tolerance:M:±20%.