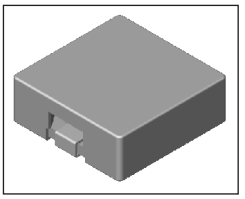
SMT Power Inductor

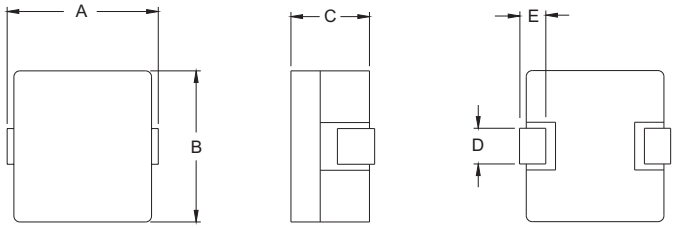
HAH83 Type



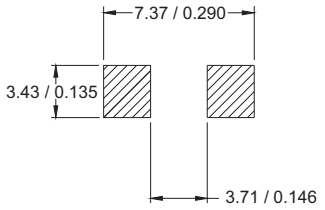
Features

- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

Mechanical Dimension :



RECOMMENDED PAD PATTERNS



UNIT : mm/inch
A = 7.50/ 0.295 Max.
B = 7.00 /0.276 Max.
C = 3.20 /0.126 Max.
D = 1.40±0.2 / 0.055±0.008
E = 1.50±0.254 / 0.059±0.01

Electrical Characteristics : At 25°C , 100KHz, 1V

PART NO.	Lo [1] (uH)	Li (uH)	DCR (mΩ) MAX	Isat [2] (Adc)	Irms [3] (Adc)
HAH83-0R1	0.10	0.070	1.7	60.0	32.50
HAH83-R15	0.15	0.105	2.5	52.0	26.00
HAH83-0R2	0.20	0.150	2.8	41.0	24.00
HAH83-R22	0.22	0.165	2.8	40.0	23.00
HAH83-R33	0.33	0.231	3.9	30.0	20.00
HAH83-R47	0.47	0.329	4.2	26.0	17.50
HAH83-R68	0.68	0.476	5.5	25.0	15.50
HAH83-R82	0.82	0.574	8.0	24.0	13.00

1. Lo is the initial inductance and the tolerance of inductance is ± 20%.
2. Isat is the DC current which cause the inductance drop to Li.
3. Irms is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -40°C to 125°C (including self-temperature rise).

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