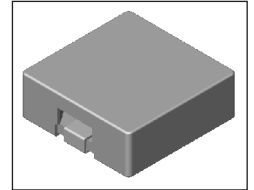


SMT Power Inductor

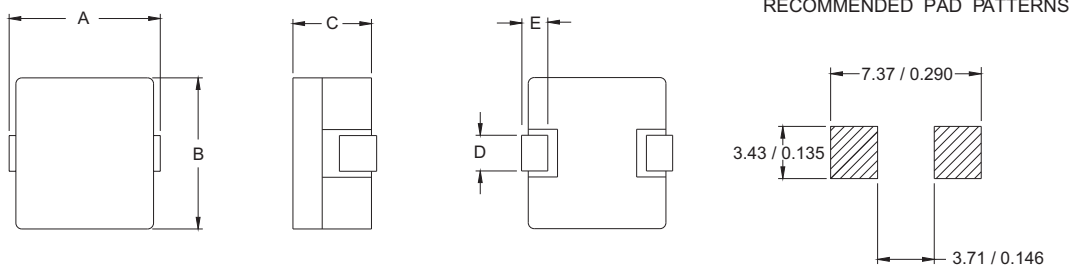
HAH83 Type

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 :



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 (A dc)	I _{rms} ³ (A dc)
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).



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltaww.com>