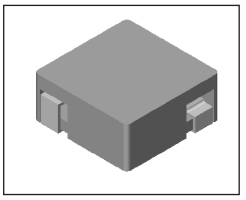
SMT Power Inductor

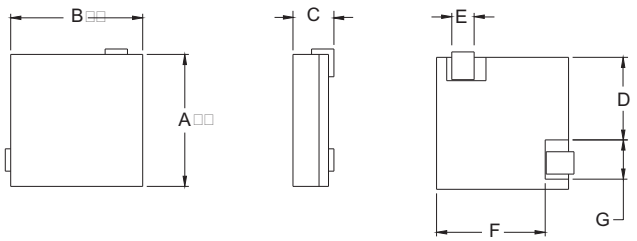
HAL1345 Type

Features

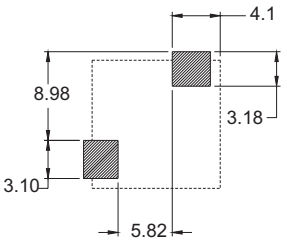
- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here,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



Mechanical Dimension :



RECOMMENDED PAD PATTERNS



UNIT : mm/inch
A = 12.5±0.4 /0.492±0.016
B = 12.5±0.4 / 0.492±0.016
C = 4.50 /0.177 Max.
D = 7.75/ 0.305
E = 2.40 /0.094 REF
F = 10.35/ 0.407
G = 3.75/ 0.148

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

PART NO.	Lo[1] (uH)	Li (uH)±20%	DCR (mΩ) MAX	Isat[2] (Adc)	Irms[3] (Adc)
HAL1345-0R5	0.5	0.4	1.80	30	27
HAL1345-0R9	0.9	0.8	2.50	25	22
HAL1345-1R5	1.5	1.2	3.45	18	20
HAL1345-2R2	2.2	1.9	5.20	15	15

1. Lo is the initial inductance and the tolerance of inductance is ± 20%.
2. Isat is the DC current which cause the inductance drop approximately 20% of is nominal inductance without current.
3. Irms is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -20°C to 105°C (including self-temperature rise).

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