

SMT Power Inductor

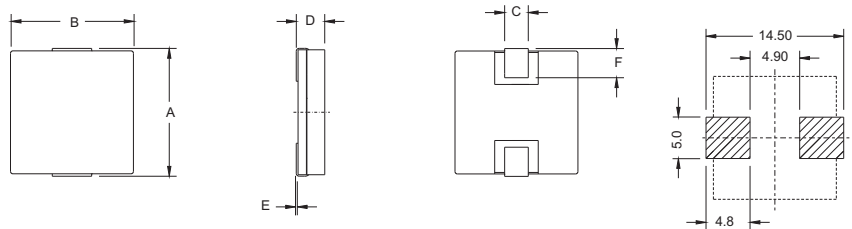
HAH1378 Type

Features

- RoHS compliant.
- Low profile (7.8mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- 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 = 13.0 ± 0.5 / 0.512 ± 0.020
 B = 12.7 ± 0.4 / 0.500 ± 0.016
 C = 2.40 / 0.094
 D = 7.80 / 0.307 Max.
 E = 0.03 / 0.001
 F = 3.00 / 0.118

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

| PART NO. | Lo ¹ (uH) | Li (uH) ± 20% | DCR (mΩ) MAX | Isat ² (Adc) |
|--------------|-------------------------|------------------|-----------------|----------------------------|
| HAH1378-0R8 | 0.80 | 0.70 | 1.20 | 40 |
| HAH1378-1R2 | 1.20 | 1.00 | 1.80 | 32 |
| HAH1378-2R0 | 2.00 | 1.60 | 2.90 | 20 |
| HAH1378-2R5 | 2.50 | 2.00 | 3.00 | 22 |
| HAH1378-3R6 | 3.60 | 2.80 | 4.30 | 16 |
| HAH1378-4R7 | 4.70 | 3.70 | 4.70 | 12 |
| HAH1378-6R0 | 6.00 | 4.80 | 9.20 | 12 |
| HAH1378-7R3 | 7.30 | 5.80 | 10.00 | 12 |
| HAH1378-8R8 | 8.80 | 7.00 | 11.00 | 9 |
| HAH1378-10R4 | 10.40 | 8.30 | 12.00 | 8 |

1. Lo is the initial inductance.
2. Isat is the DC current which cause the inductance drop to Li.
3. Operating temperature : -20°C to 105°C (including self-temperature rise).



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