# SMT Power Inductor

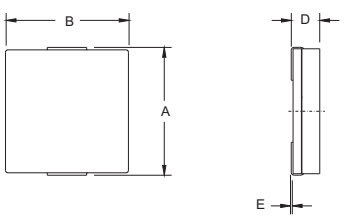
## HAH1378 Type



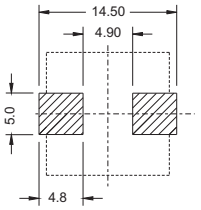
### Features

- 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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