

# SMT Power Inductor

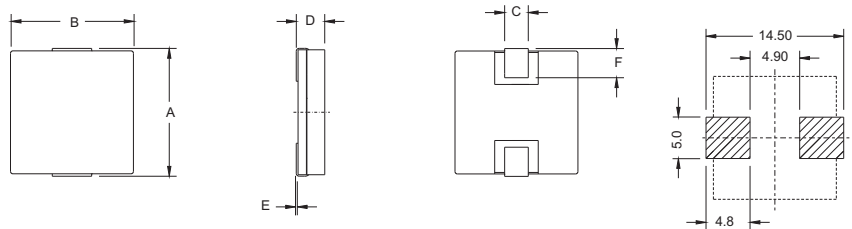
## HAH1378 Type

### 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 <sup>1</sup> (uH)	Li (uH) ±20%	DCR (mΩ) MAX	Isat <sup>2</sup> (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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