

# SMT Power Inductor

## HAH1365 Type

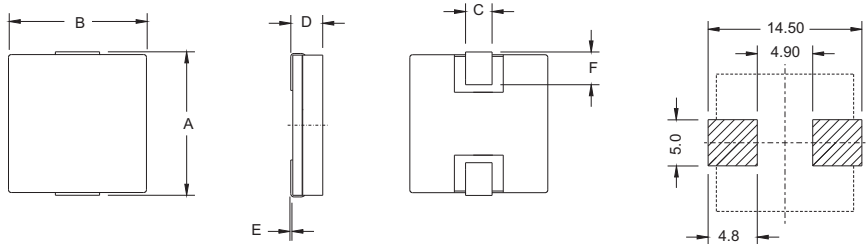
### Features

- RoHS compliant.
- Low profile (6.5mm 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 = 4.00 / 0.157  
 D = 6.50 / 0.256 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> (A dc)
HAH1365-0R2	0.20	0.20	0.50	50
HAH1365-0R4	0.50	0.40	1.00	45
HAH1365-1R0	1.00	0.80	1.80	30

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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