

# SMT Power Inductor

## HAH1358 Type

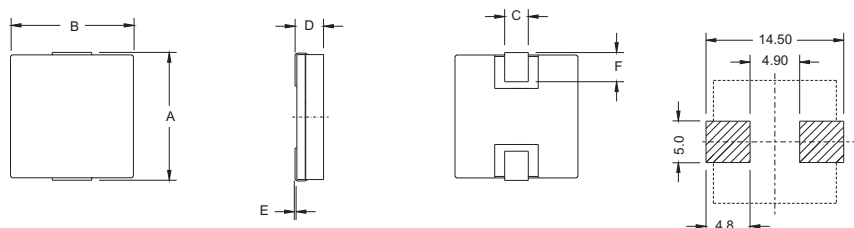
### Features

- RoHS compliant.
- Low profile (5.8mm 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 = 4.00 / 0.157  
 D = 5.80 / 0.228 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)
HAH1358-0R5	0.50	0.42	1.10	35
HAH1358-1R0	1.00	0.80	1.90	30
HAH1358-1R4	1.40	1.20	2.40	30
HAH1358-2R2	2.20	2.00	5.00	18
HAH1358-3R0	3.00	2.60	6.20	12

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 ).



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltaww.com>