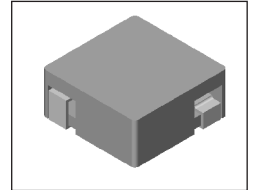


# SMT Power Inductor

## HAL1345 Type

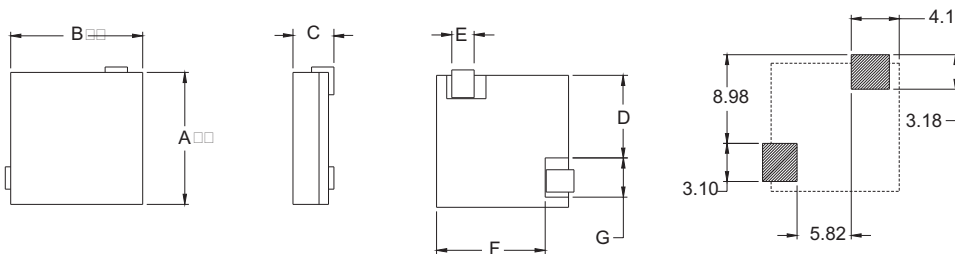
### Features

- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- 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 = 12.5±0.4 / 0.492±0.016  
 B = 12.5±0.4 / 0.492±0.016  
 C = 4.50 / 0.177 Max.  
 D = 7.75 / 0.305  
 E = 2.40 / 0.094 REF  
 F = 10.35 / 0.407  
 G = 3.75 / 0.148

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

PART NO.	Lo <sup>1</sup> (uH)	Li (uH)±20%	DCR (mΩ) MAX	Isat <sup>2</sup> (A dc)	Irms <sup>3</sup> (A dc)
HAL1345-0R5	0.5	0.4	1.80	30	27
HAL1345-0R9	0.9	0.8	2.50	25	22
HAL1345-1R5	1.5	1.2	3.45	18	20
HAL1345-2R2	2.2	1.9	5.20	15	15

1. Lo is the initial inductance and the tolerance of inductance is ± 20%.
2. Isat is the DC current which cause the inductance drop approximately 20% of its nominal inductance without current.
3. I rms is the DC current which cause the surface temperature of the part increase less than 45°C.
4. 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>