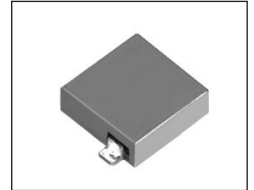


# SMT Power Inductor

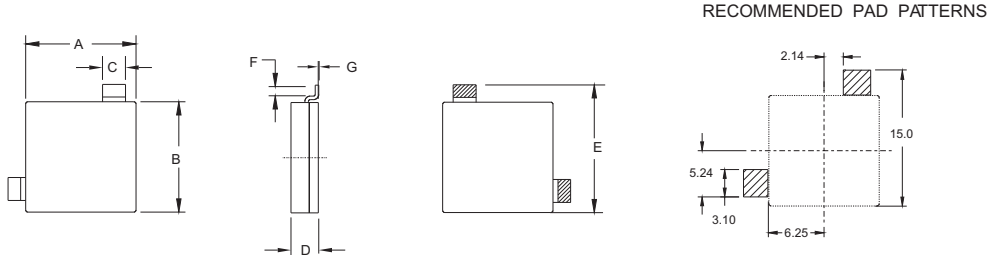
## HALO1340 Type

### Features

- RoHS compliant.
- Low profile (4.2mm 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:

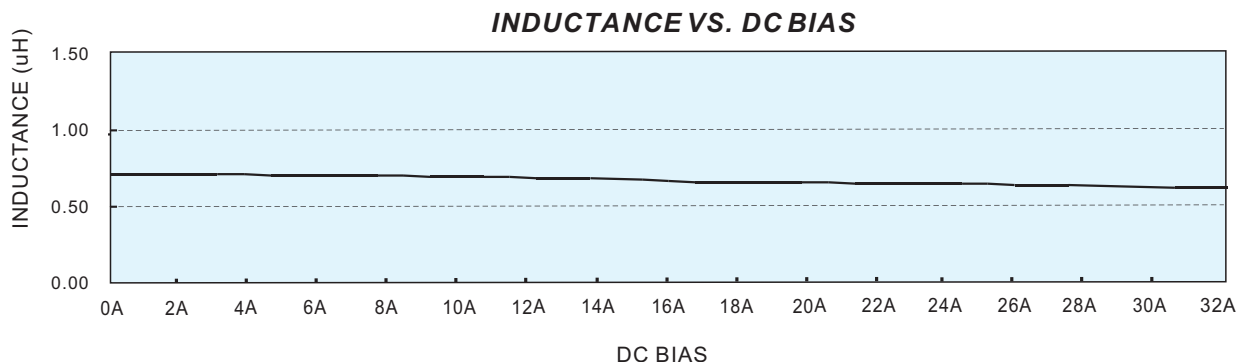


UNIT: mm / inch  
 A = 12.50±0.40 / 0.492±0.016  
 B = 12.50±0.40 / 0.492±0.016  
 C = 2.40 / 0.094 (REF)  
 D = 4.20 / 0.165 Max.  
 E = 14.80 / 0.582 (Max.)  
 F = 1.00 / 0.039 (REF)  
 G = 0.01-0.1 / 0.00039-0.0039

### Electrical Characteristics: At 25°C: 100KHz, 1.0V

PART NO.	Lo <sup>1</sup> (uH)	Li (uH) ±20%	DCR (mΩ) MAX	Isat <sup>2</sup> (Adc)	Irms <sup>3</sup> (Adc)
HALO1340-0R3	0.3	0.25	1.80	38	36
HALO1340-0R7	0.7	0.60	2.50	32	26
HALO1340-1R2	1.2	1.00	3.45	20	24
HALO1340-2R0	2.0	1.70	4.35	15	22

1. Lo is the initial inductance.
2. Isat is the DC current which cause the inductance drop to Li.
3. Irms 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 ).



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