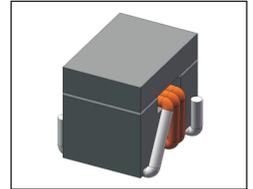


# SMT Power Inductor

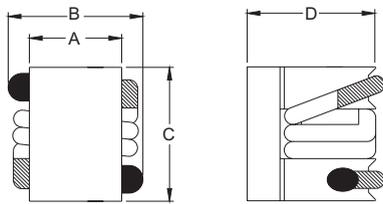
## SHCN 660 Type

### Features

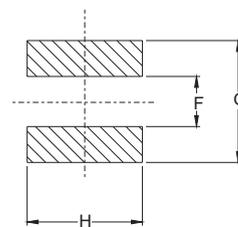
- RoHS compliant.
- High current handling capability in the smallest footprint & profile.
- Self-leads, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension :



### RECOMMENDED PAD PATTERNS

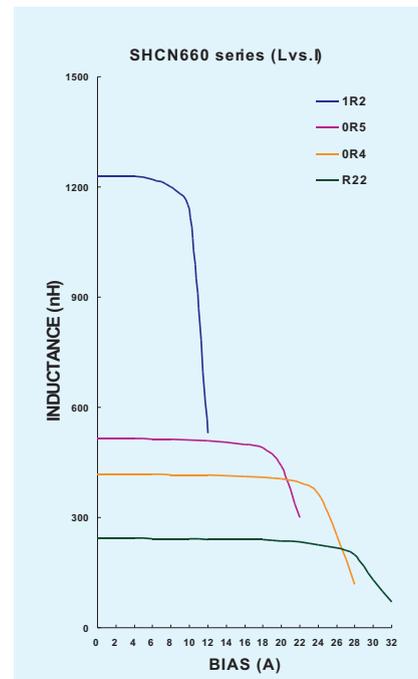


UNIT : mm/inch  
 A = 4.10 / 0.161  
 B = 5.90 / 0.232 Max.  
 C = 6.00 / 0.236 Max.  
 D = 5.80 / 0.228 Max.  
 E = 3.85 / 0.152  
 F = 2.00 / 0.079  
 G = 5.70 / 0.224  
 H = 5.70 / 0.224

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

PART NO.	Lo <sup>1</sup> (uH)	DCR (mΩ) MAX	Isat <sup>2</sup> (A dc)	Irms <sup>3</sup> (A dc)
SHCN660-R22	0.22	1.8	28	27
SHCN660-0R4	0.40	3.5	23	20
SHCN660-0R5	0.50	4.0	18	17
SHCN660-1R2	1.20	7.0	10	10

1. Tolerance of inductance is  $\pm 15\%$ .
2. Isat is the DC current which cause the inductance drop less than 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 ).



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