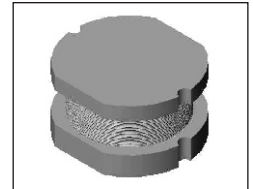


SMT Power Inductor

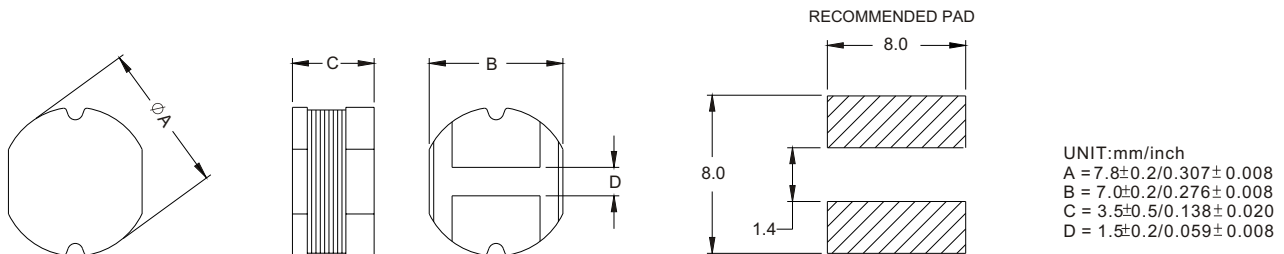
SI84 Type

Features

- Low profile (4.0mm max. Height) SMD type.
- Unshielded.
- 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 application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

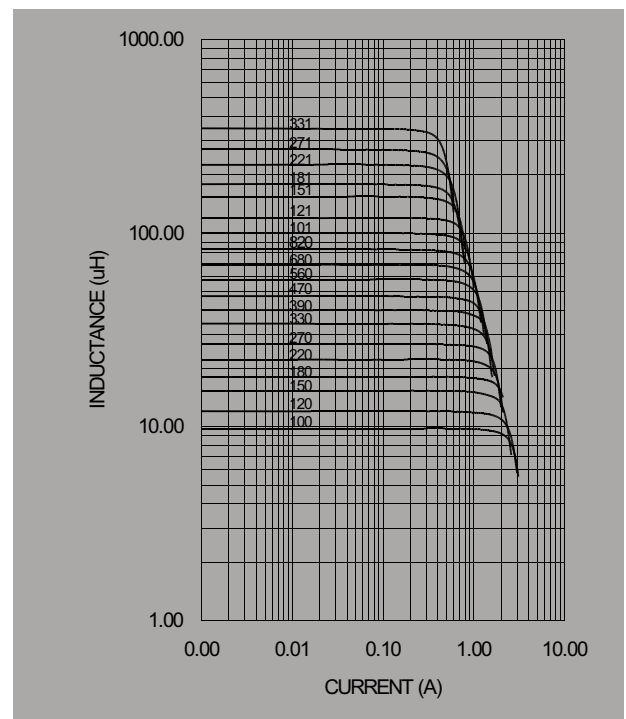


Mechanical Dimension:



Electrical Characteristics: At 25°C: 1KHz, 1V

| PART NO. | L ¹ (μH) | DCR (Ω) MAX | I _{RATED} ² (A)dc |
|------------|------------------------|----------------|--|
| SI84 - 100 | 10 | 0.080 | 1.44 |
| SI84 - 120 | 12 | 0.089 | 1.39 |
| SI84 - 150 | 15 | 0.104 | 1.24 |
| SI84 - 180 | 18 | 0.111 | 1.12 |
| SI84 - 220 | 22 | 0.129 | 1.07 |
| SI84 - 270 | 27 | 0.153 | 0.94 |
| SI84 - 330 | 33 | 0.170 | 0.85 |
| SI84 - 390 | 39 | 0.217 | 0.74 |
| SI84 - 470 | 47 | 0.252 | 0.68 |
| SI84 - 560 | 56 | 0.282 | 0.64 |
| SI84 - 680 | 68 | 0.332 | 0.59 |
| SI84 - 820 | 82 | 0.406 | 0.54 |
| SI84 - 101 | 100 | 0.481 | 0.51 |
| SI84 - 121 | 120 | 0.536 | 0.49 |
| SI84 - 151 | 150 | 0.755 | 0.40 |
| SI84 - 181 | 180 | 1.022 | 0.36 |
| SI84 - 221 | 220 | 1.200 | 0.31 |
| SI84 - 271 | 270 | 1.306 | 0.29 |
| SI84 - 331 | 330 | 1.495 | 0.28 |



1. Tolerance of inductance
10~330uH±10%
2. I_{RATED}: rated current. ΔL<10%, ΔT<45°C at I_{RATED}
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>