

INDUCTORS

FOR POWER LINE SMD

SPI-05025SDN-SERIES

FEATURES

1. Low profile and small size(Height=2.50mm Max)
2. Low DC resistance
3. Magnetic Shielding type

APPLICATIONS

1. LCD panels
2. Digital camera, PDA and others portable

ELECTRICAL CHARACTERISTICS

| Part Number | L \pm 20% (uH) | DCR(Ω) \pm 20% | Isat (A) | Irms(A) |
|------------------|------------------|---------------------------|----------|---------|
| SPI-05025SDN-R47 | 0.47 | 0.0177 | 6.00 | 3.88 |
| R82 | 0.82 | 0.0208 | 4.67 | 3.58 |
| 1R2 | 1.2 | 0.0240 | 3.81 | 3.33 |
| 1R5 | 1.5 | 0.0274 | 3.23 | 3.12 |
| 2R2 | 2.2 | 0.0311 | 2.80 | 2.93 |
| 3R3 | 3.3 | 0.0384 | 2.21 | 2.64 |
| 4R7 | 4.7 | 0.0467 | 1.83 | 2.39 |
| 6R8 | 6.8 | 0.0556 | 1.56 | 2.19 |
| 8R2 | 8.2 | 0.0724 | 1.45 | 1.92 |
| 100 | 10 | 0.0824 | 1.27 | 1.80 |
| 150 | 15 | 0.0956 | 1.08 | 1.67 |
| 220 | 22 | 0.1478 | 0.857 | 1.34 |
| 330 | 33 | 0.2149 | 0.711 | 1.11 |
| 470 | 47 | 0.3156 | 0.592 | 0.919 |
| 680 | 68 | 0.4850 | 0.482 | 0.741 |
| 820 | 82 | 0.5242 | 0.441 | 0.713 |
| 101 | 100 | 0.5937 | 0.398 | 0.670 |
| 151 | 150 | 0.8723 | 0.328 | 0.553 |
| 221 | 220 | 1.34 | 0.268 | 0.446 |
| 331 | 330 | 2.07 | 0.219 | 0.359 |
| 471 | 470 | 3.10 | 0.184 | 0.293 |
| 681 | 680 | 3.88 | 0.154 | 0.262 |
| 821 | 820 | 5.04 | 0.139 | 0.230 |
| 102 | 1000 | 5.70 | 0.126 | 0.216 |

Note1. Measurement frequency of Inductance value : at 100KHz

Note2. Measurement ambient temperature of L, DCR and IDC : at 25°C

Note3. Isat: DC current at which the inductance drops 30% from its value without current

Note4. Irms: Average current for 40°C temperature rise from 25°C ambient

DIMENSIONS(Unit:mm)

