

# INDUCTORS

## FOR POWER LINE SMD

SPI-05014SDN-SERIES

### FEATURES

1. Low profile and small size(Height=1.45mm 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( $\Omega$ ) $\pm$ 20%	Isat (A)	Irms(A)
SPI-05014SDN-R47	0.58	0.0220	4.84	3.52
R87	0.87	0.0243	3.96	3.20
1R2	1.2	0.0344	3.35	2.70
1R5	1.5	0.0390	2.91	2.53
2R0	2.0	0.0445	2.56	2.37
2R5	2.5	0.0595	2.29	2.05
3R2	3.2	0.0663	2.08	1.94
4R5	4.5	0.0935	1.74	1.64
6R9	6.9	0.1363	1.41	1.35
8R8	8.8	0.193	1.25	1.14
100	10	0.2058	1.18	1.10
150	15	0.2609	0.969	0.98
220	22	0.3853	0.793	0.806
330	33	0.5852	0.651	0.654
470	47	0.9055	0.538	0.525
680	68	1.11	0.449	0.474
820	82	1.50	0.407	0.408
101	100	1.68	0.373	0.386
151	150	2.52	0.301	0.315
221	220	3.77	0.249	0.258
331	330	5.92	0.203	0.206
471	470	8.34	0.171	0.173
681	680	10.3	0.142	0.156
821	820	13.9	0.129	0.134
102	1000	15.8	0.117	0.126

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)

