

# INDUCTORS

## FOR POWER LINE SMD

SPI-05012SDN-SERIES

### FEATURES

1. Low profile and small size(Height=1.20mm Max)
2. Low DC resistance
3. Magnetic Shielding type

### APPLICATIONS

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

### ELECTRICAL CHARACTERISTICS

Part Number	$L \pm 20\% (\mu H)$	DCR( $\Omega$ ) $\pm 20\%$	Rated D.C. Current(A)
SPI-05012SDN-R47	0.47	R47	0.0246
1R2	1.20	1R2	0.0366
1R5	1.50	1R5	0.0521
2R2	2.20	2R2	0.0747
3R3	3.30	3R3	0.1043
4R7	4.70	4R7	0.1177
6R2	6.20	6R2	0.1699
8R2	8.20	8R2	0.2399
100	10	100	0.2844
150	15	150	0.4089
220	22	220	0.6338
330	33	330	0.9289
470	47	470	1.37
680	68	680	2.16
820	82	820	2.36
101	100	101	2.64
151	150	151	3.96
221	220	221	4.76
331	330	331	7.25
471	470	471	8.95
681	680	681	11.30
821	820	821	14.93
102	1000	102	17.20

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)

