

INDUCTORS

FOR POWER LINE SMD

SPI-05018SDN-SERIES

FEATURES

1. Low profile and small size(Height=1.80mm 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-05018SDN-R47	0.47	0.0201	4.63	3.58
R82	0.82	0.0247	3.60	3.24
1R2	1.2	0.0294	2.95	2.97
1R5	1.5	0.0345	2.49	2.73
2R2	2.2	0.0398	2.16	2.55
3R3	3.3	0.0605	1.71	2.07
4R7	4.7	0.0824	1.54	1.77
6R2	6.2	0.1000	1.30	1.61
8R2	8.2	0.1351	1.12	1.38
100	10	0.1584	0.982	1.28
150	15	0.2278	0.831	1.06
220	22	0.3366	0.689	0.876
330	33	0.5057	0.568	0.715
470	47	0.7732	0.470	0.578
680	68	0.9798	0.390	0.514
820	82	1.30	0.356	0.446
101	100	1.47	0.321	0.419
151	150	2.18	0.263	0.345
221	220	2.95	0.217	0.296
331	330	4.20	0.177	0.248
471	470	6.39	0.148	0.201
681	680	9.28	0.124	0.167
821	820	12.35	0.113	0.145
102	1000	14.01	0.102	0.136

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)

