

INDUCTORS

FOR POWER LINE SMD

SPI-04018SDN-SERIES

FEATURES

1. Low profile and small size (Height=1.80mm Max)
2. Shielding type

APPLICATIONS

1. LCD panels, Digital camera, PDA and others

ELECTRICAL CHARACTERISTICS

Part Number	L \pm 20% (uH)	DOT Marking	DCR(Ω) \pm 20%	Isat (A)	Irms(A)
SPI-04018SDN-1R0	1.0	BLACK	0.038	3.20	2.40
1R2	1.2	BROWN	0.044	3.00	2.20
1R5	1.5	RED	0.050	2.70	2.20
1R8	1.8	ORANGE	0.058	2.40	2.00
2R2	2.2	YELLOW	0.062	2.20	1.90
2R7	2.7	GREEN	0.068	2.10	1.80
3R3	3.3	BLUE	0.080	1.88	1.65
3R9	3.9	VIOLET	0.084	1.80	1.56
4R7	4.7	GRAY	0.099	1.46	1.40
5R6	5.6	WHITE	0.110	1.40	1.30
6R8	6.8	BLACK	0.128	1.26	1.20
8R2	8.2	BROWN	0.146	1.24	1.15
100	10	RED	0.165	1.10	1.05
120	12	ORANGE	0.254	1.00	0.80
150	15	YELLOW	0.320	0.88	0.72
180	18	GREEN	0.360	0.84	0.68
220	22	BLUE	0.418	0.74	0.65
270	27	VIOLET	0.450	0.70	0.60
330	33	GRAY	0.620	0.58	0.58
390	39	WHITE	0.650	0.56	0.48
470	47	BLACK	0.790	0.52	0.45
560	56	BROWN	0.862	0.48	0.40
680	68	RED	1.000	0.40	0.36
101	100	YELLOW	1.380	0.32	0.36

Note1. Measurement frequency of Inductance value : at 1KHz

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

Note3. Isat : The rated current indicates the current when the inductance decreases to 65% over of it's nominal value

Note4. Irms : D.C. current when at Δt=30°C(typ.),(Ta=20°C)

DIMENSIONS(Unit:mm)

