INDUCTORS

FOR POWER LINE SMD SPI-18071D-SERIES

◎ FEATURES

1. High current capacity and Low DCR
2. High heat resistance, ideal for reflow soldering
3. High reliability

Pb-free
RoHS
COMPLIANT

◎ APPLICATIONS

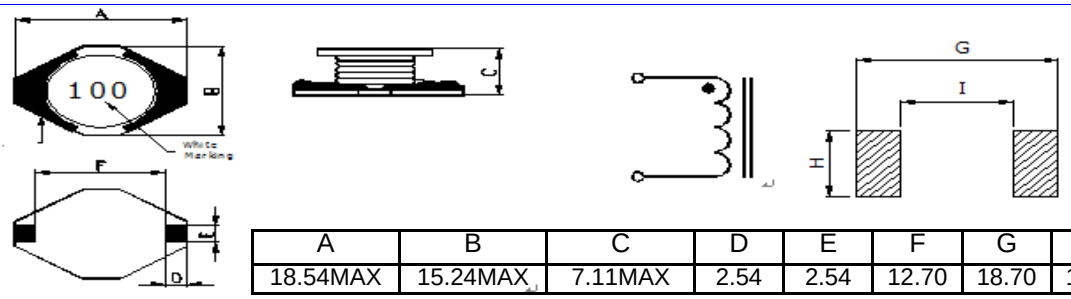
1. DC-DC converter
2. Set top box and Notebook and Server,etc

◎ ELECTRICAL CHARACTERISTICS

Part Number	L±20% (uH)	DCR(Ω) MAX	Isat (A)	Irms(A)
SPI-18071D-1R0	1.0	0.009	20	8.60
2R2	2.2	0.014	16	7.10
3R3	3.3	0.018	14	6.20
5R6	5.6	0.020	12	5.30
8R2	8.2	0.029	10	4.80
100	10	0.031	10	4.30
150	15	0.036	8.0	4.00
220	22	0.047	7.0	3.50
330	33	0.066	5.5	3.00
470	47	0.086	4.5	2.60
680	68	0.130	3.5	2.30
101	100	0.190	3.0	1.80
151	150	0.250	2.6	1.50
221	220	0.380	2.4	1.20
331	330	0.560	1.9	1.00
471	470	0.850	1.4	0.82
681	680	1.100	1.2	0.72
102	1000	1.800	1.0	0.56

Note1. Measurement frequency of Inductance value : at 100KHz, 0.1V
Note2. Measurement ambient temperature of L, DCR and IDC : at 25℃
Note3. Isat: DC current at which the inductance drops 10%(typ) from its value without current
Note4. Irms: Average current for 40℃temperature rise from 25℃ambient

◎ DIMENSIONS(Unit:mm)



A	B	C	D	E	F	G	I	H
18.54MAX	15.24MAX	7.11MAX	2.54	2.54	12.70	18.70	12.70	3.00