

# INDUCTORS

## FOR POWER LINE SMD

SPI-07045SRN--SERIES

### FEATURES

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



### APPLICATIONS

1. Portable telephone, Personal Computer
2. Hard Disk drives, and other electronic equipment

### ELECTRICAL CHARACTERISTICS

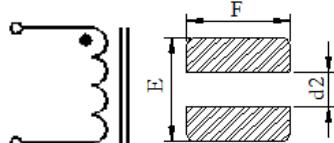
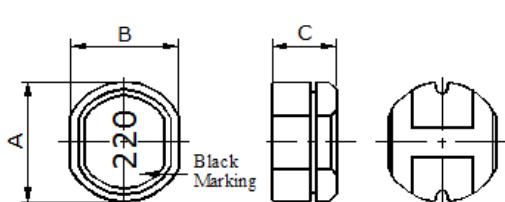
Part Number	L $\pm$ 20% (uH)	DCR( $\Omega$ ) MAX	Current(A)
SPI-07045SRN-100	10	0.07	1.50
120	12	0.07	1.30
150	15	0.08	1.22
180	18	0.10	1.13
220	22	0.12	1.08
270	27	0.16	0.84
330	33	0.18	0.78
390	39	0.18	0.74
470	47	0.27	0.66
560	56	0.29	0.64
680	68	0.33	0.54
820	82	0.43	0.52
101	100	0.49	0.42
121	120	0.68	0.40
151	150	0.94	0.35
181	180	1.00	0.33
221	220	1.18	0.32
271	270	1.30	0.28

Note1. Measurement frequency of Inductance value : 1KHz

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

Note3. IDC : This indicates the value of current when the inductances is 20% lower than its initial value at D.C. superimposition or D.C. current when at  $\Delta t=40^\circ\text{C}$ ,which is lower.(Ta=20°C)

### DIMENSIONS(Unit:mm)



A	B	C	E	d2	F
7.5 $\pm$ 0.40	7.0 $\pm$ 0.40	4.5 $\pm$ 0.40	8.00	2.00	7.50