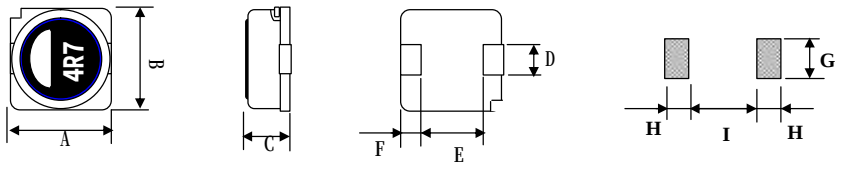
TDK Customize Productions

SLF7028T-TYPE-T3PF

SMD Power Inductor

Shapes and Dimensions/Recommended PC Board Pattern



A : 7.0±0.2 mm
B : 7.0±0.2 mm
C : 2.8±0.2 mm
D : 2.0±0.1 mm
E : 4.9 Typ. mm
F : 0.9 Typ. mm
G : (2.2) mm
H : (1.5) mm
I : (4.9) mm

Features:

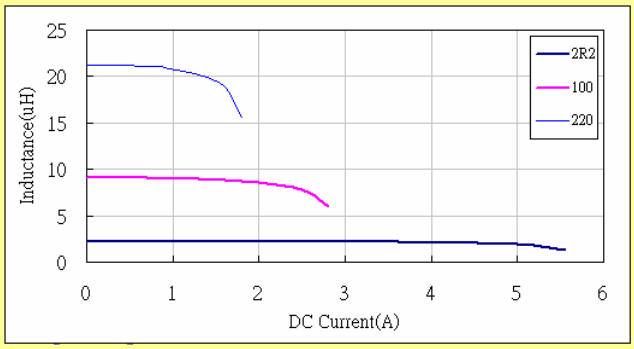
1) Low Profile : 2.8±0.2 mm Height.
2) Generic use for DC-DC Converter.
3) Low Rdc and High core saturation

Applications

1) Note PC, LCD TV,
2) 20W-Class step-down converters

Typical Electrical Characteristics

Inductance Change vs. DC Superposition



TDK Identification	Inductance (uH)	Tolerance (%)	Test Freq. (kHz)	DC Resistance (mO) ±20%	Rated DC Current Idc 1 (A) Max.	Rated DC Current Idc 2 (A) Max.
SLF7028T-1R5N5R3-T3PF	1.5	±30%	100	11.4	5.3	6.4
SLF7028T-1R8N5R3-T3PF	1.8	±30%	100	11.4	5.3	6.4
SLF7028T-2R2N4R3-T3PF	2.2	±30%	100	15.8	4.3	5.3
SLF7028T-3R3N4R0-T3PF	3.3	±30%	100	19.5	4.0	4.9
SLF7028T-3R8N3R5-T3PF	3.8	±30%	100	23.5	3.5	3.9
SLF7028T-4R7M3R0-T3PF	4.7	±20%	100	30.8	3.0	3.3
SLF7028T-5R6M2R7-T3PF	5.6	±20%	100	39.5	2.7	3.1
SLF7028T-6R8M2R5-T3PF	6.8	±20%	100	43.9	2.5	2.8
SLF7028T-8R2M2R4-T3PF	8.2	±20%	100	51.7	2.4	2.5
SLF7028T-100M2R2-T3PF	10.0	±20%	100	64.9	2.2	2.2
SLF7028T-150M1R7-T3PF	15.0	±20%	100	87.3	1.7	1.9
SLF7028T-220M1R4-T3PF	22.0	±20%	100	130.0	1.4	1.5

*** Rate DC current : 1) Idc1 is based on inductance change 20% decrease from the intial value.**

2) Idc2 is based on terperature rise of 40℃