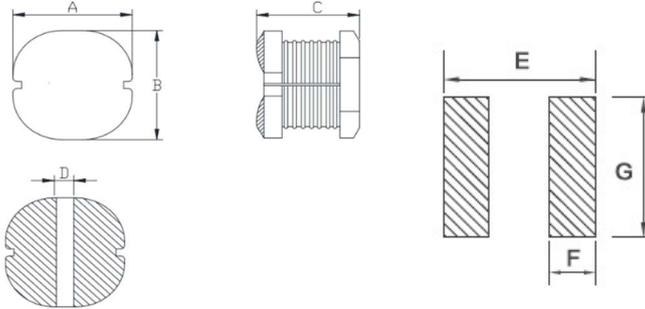




SMT Power Inductor M42 Series

Dimensions



A: 4.5 ± 0.3 mm
B: 4.0 ± 0.3 mm
C: 2.0 ± 0.3 mm
D: 1.5 ref mm
E: 5.0 ref mm
F: 1.75 ref mm
G: 4.5 ref mm

ELECTRICAL CHARACTERISTICS

Model	Inductance(μ H)	Test Condition	RDC(Ω)	Saturation Current(A)
			Max.	
M42-1R0	$1.0 \pm 30\%$	100KHZ/0.25V	0.030	1.90
M42-2R2	$2.2 \pm 20\%$	100KHZ/0.25V	0.070	2.50
M42-2R7	$2.7 \pm 20\%$	100KHZ/0.25V	0.078	2.20
M42-3R3	$3.3 \pm 20\%$	100KHZ/0.25V	0.090	1.20
M42-4R7	$4.7 \pm 20\%$	100KHZ/0.25V	0.100	0.90
M42-6R8	$6.8 \pm 20\%$	100KHZ/0.25V	0.170	1.40
M42-8R2	$8.2 \pm 20\%$	100KHZ/0.25V	0.200	1.20
M42-100	$10 \pm 20\%$	100KHZ/0.25V	0.230	1.15
M42-150	$15 \pm 20\%$	100KHZ/0.25V	0.310	0.85
M42-220	$22 \pm 20\%$	100KHZ/0.25V	0.520	0.70
M42-270	$27 \pm 20\%$	100KHZ/0.25V	0.470	0.55
M42-330	$33 \pm 20\%$	100KHZ/0.25V	0.570	0.30
M42-390	$39 \pm 10\%$	100KHZ/0.25V	0.700	0.50
M42-470	$47 \pm 10\%$	100KHZ/0.25V	0.618	0.21
M42-560	$56 \pm 10\%$	100KHZ/0.25V	0.900	0.45
M42-101	$100 \pm 10\%$	100KHZ/0.25V	1.500	0.12
M42-151	$150 \pm 10\%$	100KHZ/0.25V	2.300	0.11
M42-181	$180 \pm 10\%$	100KHZ/0.25V	2.100	0.20
M42-221	$220 \pm 10\%$	100KHZ/0.25V	3.200	0.105
M42-331	$330 \pm 10\%$	100KHZ/0.25V	5.500	0.10