

CTSPMA5010F Series

From .47 μ H to 10 μ H



SPECIFICATIONS

Parts are available in $\pm 20\%$ inductance tolerance only

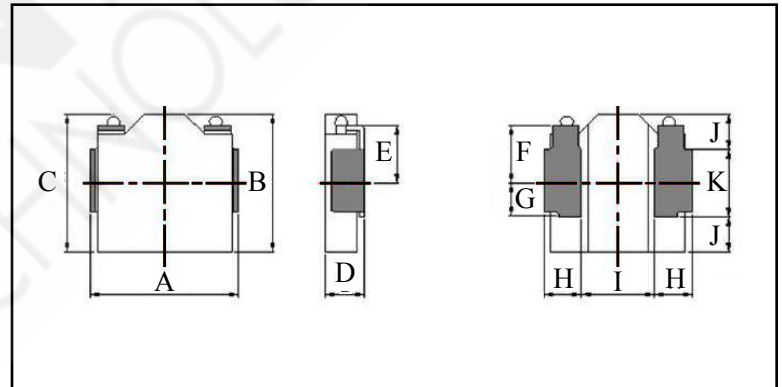
Part Number	Inductance (μ H)	L Test Condition	DCR Max. (m Ω)	Isat Max. (A)	Irms Max. (A)
CTSPMA5010F-R47M	0.47	100KHz, 1V	38.0	9.4	4.5
CTSPMA5010F-R68M	0.68	100KHz, 1V	45.3	7.6	4.1
CTSPMA5010F-1R0M	1.00	100KHz, 1V	57.0	7.2	3.6
CTSPMA5010F-1R5M	1.50	100KHz, 1V	65.0	5.8	3.1
CTSPMA5010F-2R2M	2.20	100KHz, 1V	75.0	4.5	3.0
CTSPMA5010F-3R3M	3.30	100KHz, 1V	104.0	4.1	2.5
CTSPMA5010F-4R7M	4.70	100KHz, 1V	151.0	3.2	2.1
CTSPMA5010F-6R8M	6.80	100KHz, 1V	198.0	2.6	1.9
CTSPMA5010F-100M	10	100KHz, 1V	335.0	1.8	1.3

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	5.4 \pm 0.2	5.1 \pm 0.2	5.4	1.0	2.0	2.0
inches	0.21 \pm 0.008	0.20 \pm 0.08	0.21	0.039	0.079	0.079
Size	G	H	I	J	K	
mm	1.25	1.20 \pm 0.1	3.0	1.30 \pm 0.1	2.5	
inches	0.049	0.047 \pm 0.004	0.118	0.051 \pm 0.004	0.098	

CHARACTERISTICS

Description: SMD (shielded) Power Inductors
Applications: Smart phones, Notebook PC's, Tablets, HDD's, Servers, VRM's, Compact power supply modules, etc.
Saturation Rated Current (Isat): The DC current when the when the inductance becomes 30% lower than its initial value. (Ta=25°C)
Temperature Rise Current (Irms): The actual current when temperature of coil becomes $\Delta T 40^\circ\text{C}$. (Ta=25°C)
Operating Temperature Range: -55°C to 155°C
Markings: Inductance Code
Miscellaneous: RoHS compliant
Samples available. See website for ordering information.



PAD LAYOUT

