



SMD Power Inductors MTCB Series

Features

- * Low profile and small size
- * Low DC resistance
- * Tape and reel packaging available
- * DC to DC converters for LCD panels, Digital camera and PDA

Applications

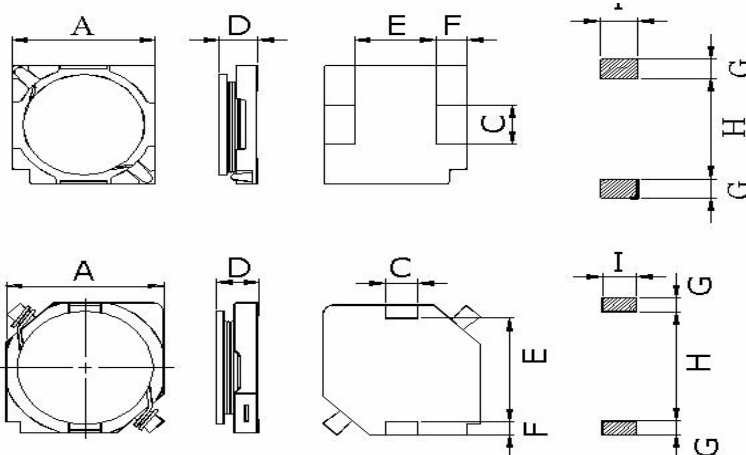
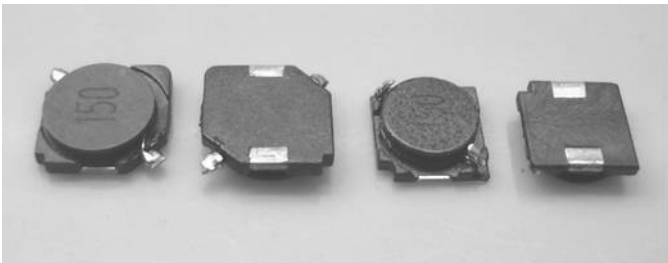
- * Portable communication equipment
- * Notebook PC, digital camera, LCD television set
- * Power supply for VTR, OA equipment
- * DC / DC converters

Product Identifications

MTCB □□□ - □□□ □
(1) (2) (3) (4)

- (1) Type
- (2) Dimensions
- (3) Inductance
- (4) Tolerance

Shapes and Dimensions



MTCB60

MTCB70



SMD Power Inductors

MTCB Series

TYPE	A	C	D	E	F	I	G	H
MTCB6018	6.00±0.20	2.00±0.10	1.80±0.20	4.00TYP	-	2.20	1.50	4.00
MTCB7018	7.00±0.20	2.00±0.10	1.80MAX	4.90TYP	0.90±0.15	2.20	1.50	4.00

Electrical Characteristics

MTCB 6018

Part number	Inductance (μH)	Test Frequency	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTCB6018-4R7□	4.7±20%	1KHz	0.145	1.90
MTCB6018-6R8□	6.8±20%	1KHz	0.165	1.70
MTCB6018-100□	10±20%	1KHz	0.240	1.50
MTCB6018-150□	15±20%	1KHz	0.300	1.30
MTCB6018-220□	22±20%	1KHz	0.420	1.00
MTCB6018-330□	33±20%	1KHz	0.550	0.90
MTCB6018-470□	47±20%	1KHz	0.765	0.70
MTCB6018-680□	68±20%	1KHz	1.100	0.60
MTCB6018-101□	100±20%	1KHz	1.600	0.50
MTCB6018-151□	150±20%	1KHz	2.500	0.40
MTCB6018-221□	220±20%	1KHz	3.050	0.32
MTCB6018-331□	330±20%	1KHz	4.650	0.28
MTCB6018-471□	470±20%	1KHz	6.750	0.24
MTCB6018-681□	680±20%	1KHz	9.150	0.20
MTCB6018-102□	1000±20%	1KHz	14.20	0.16

□ Tolerance : J = ± 5% , K = ± 10% , L = ± 15% , M = ± 20% , N = ± 30%



SMD Power Inductors

MTCB Series

Electrical Characteristics

MTCB 7018

Part number	Inductance (μ H)	Test Frequency	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTCB7018-4R7□	4.7 \pm 20%	1KHz	0.145	1.90
MTCB7018-6R8□	6.8 \pm 20%	1KHz	0.165	1.70
MTCB7018-100□	10 \pm 20%	1KHz	0.250	1.50
MTCB7018-150□	15 \pm 20%	1KHz	0.420	1.30
MTCB7018-220□	22 \pm 20%	1KHz	0.480	1.00
MTCB7018-330□	33 \pm 20%	1KHz	0.550	0.90
MTCB7018-470□	47 \pm 20%	1KHz	0.765	0.70
MTCB7018-680□	68 \pm 20%	1KHz	1.100	0.60
MTCB7018-101□	100 \pm 20%	1KHz	1.600	0.50
MTCB7018-151□	150 \pm 20%	1KHz	2.500	0.40
MTCB7018-221□	220 \pm 20%	1KHz	3.050	0.32
MTCB7018-331□	330 \pm 20%	1KHz	4.650	0.28
MTCB7018-471□	470 \pm 20%	1KHz	6.750	0.24
MTCB7018-681□	680 \pm 20%	1KHz	9.150	0.20
MTCB7018-102□	1000 \pm 20%	1KHz	14.20	0.16

□ Tolerance : J = \pm 5% , K = \pm 10% , L = \pm 15% , M = \pm 20% , N = \pm 30%