



SMD Power Inductors MTMD 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

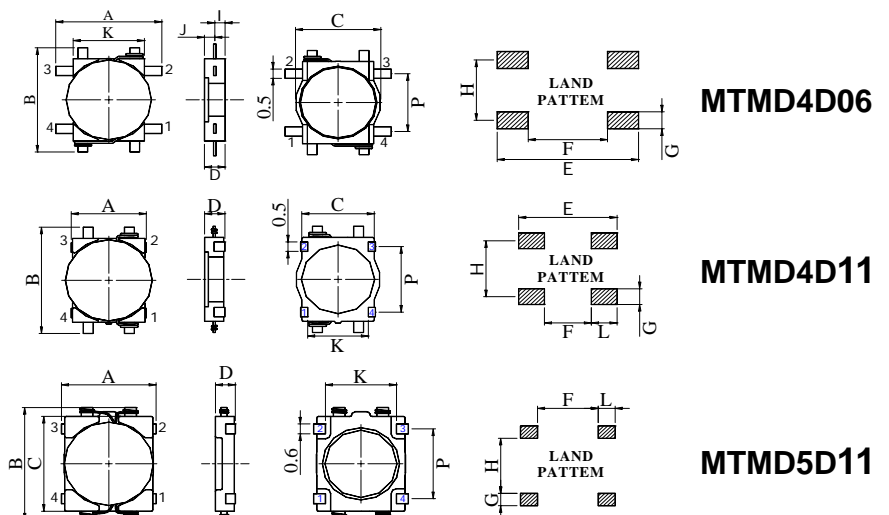
- * Portable communication equipment
- * Notebook PC, digital camera, LCD television set
- * Power supply for VTR, OA equipment
- * DC / DC converters

Product Identifications

$\frac{\text{MTMD}}{(1)}$ $\frac{\square\square\square}{(2)}$ - $\frac{\square\square\square}{(3)}$ $\frac{\square}{(4)}$

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

Shapes and Dimensions





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TYPE	A	B	C	D	I	J	K	P	E	F	G	L	H
MTMD4D06	5.80 MAX	6.30 MAX	4.10 TYP	1.20 MAX	0.40 TYP	0.80 MAX	3.50 TYP	3.20 TYP	7.00 TYP	4.00 TYP	3.20 TYP	-	0.90 TYP
MTMD4D11	4.40 MAX	5.80 MAX	3.70 TYP	1.20 MAX	-	-	2.90 TYP	3.20 TYP	5.30 TYP	2.50 TYP	0.80 TYP	1.40 TYP	3.20 TYP
MTMD5D11	5.80 MAX	7.40 MAX	6.00 TYP	1.20 MAX	-	-	4.20 TYP	4.50 TYP	-	3.60 TYP	1.10 TYP	1.40 TYP	3.40 TYP

Electrical Characteristics

MTMD 4D06

Part number	Inductance (μH)	Test Frequency	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTMD4D06-2R2□	2.2±20%	100KHz	0.116	0.95
MTMD4D06-3R3□	3.3±20%	100KHz	0.174	0.77
MTMD4D06-4R7□	4.7±20%	100KHz	0.216	0.75
MTMD4D06-6R8□	6.8±20%	100KHz	0.296	0.62
MTMD4D06-8R2□	8.2±20%	100KHz	0.350	0.60
MTMD4D06-100□	10±20%	100KHz	0.457	0.50
MTMD4D06-150□	15±20%	100KHz	0.676	0.40
MTMD4D06-220□	22±20%	100KHz	1.066	0.30
MTMD4D06-330□	33±20%	100KHz	1.647	0.24
MTMD4D06-470□	47±20%	100KHz	2.843	0.18

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

Electrical Characteristics

MTMD 4D11

Part number	Inductance (μH)	Test Frequency	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTMD4D11-1R0□	1.0±20%	100KHz	0.075	1.10
MTMD4D11-2R2□	2.2±20%	100KHz	0.116	0.95
MTMD4D11-3R3□	3.3±20%	100KHz	0.174	0.77
MTMD4D11-4R7□	4.7±20%	100KHz	0.216	0.75
MTMD4D11-6R8□	6.8±20%	100KHz	0.296	0.62
MTMD4D11-8R2□	8.2±20%	100KHz	0.350	0.60
MTMD4D11-100□	10±20%	100KHz	0.457	0.50
MTMD4D11-150□	15±20%	100KHz	0.676	0.40
MTMD4D11-220□	22±20%	100KHz	1.066	0.30
MTMD4D11-330□	33±20%	100KHz	1.647	0.24
MTMD4D11-470□	47±20%	100KHz	2.843	0.18
MTMD4D11-102□	1000±20%	100KHz	50.00	0.05



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Electrical Characteristics

MTMD 5D11

Part number	Inductance (μ H)	Test Frequency	DC Resistance (Ω) MAX.	Rated Current (A) MAX.
MTMD5D11-3R3□	3.3 \pm 20%	100KHz	0.109	0.94
MTMD5D11-4R7□	4.7 \pm 20%	100KHz	0.156	0.80
MTMD5D11-6R8□	6.8 \pm 20%	100KHz	0.216	0.65
MTMD5D11-100□	10 \pm 20%	100KHz	0.275	0.54
MTMD5D11-150□	15 \pm 20%	100KHz	0.438	0.40
MTMD5D11-220□	22 \pm 20%	100KHz	0.663	0.36
MTMD5D11-330□	33 \pm 20%	100KHz	0.975	0.32
MTMD5D11-470□	47 \pm 20%	100KHz	1.380	0.26
MTMD5D11-680□	68 \pm 20%	100KHz	1.700	0.23
MTMD5D11-101□	100 \pm 20%	100KHz	2.800	0.20
MTMD5D11-152□	1500 \pm 20%	100KHz	45.00	0.04
MTMD5D11-222□	2200 \pm 20%	100KHz	68.00	0.03

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