

MMD SERIES

Low Profile High Current Inductors

FEATURES

Super low resistance, ultra high current rating.
Low profile for machine placement.
High performance (Isat) realized by metal dust core.
Frequency range: up to 1MHz.
100% lead (Pb)-free.

APPLICATIONS

Notebook, desktop, and server applications
Low profile, high current power supplies.
Battery powered devices.
DC/DC converters in distributed power systems.
DC/DC converters for field programmable gate array.

PRODUCT IDENTIFICATION

① ② ③ ④ ⑤ ⑥
MMD - 12CE - R36M - V1 □ □

① Product Code

② Dimensions

12CE=12mm x 13mm x 3.5mm

③ Inductance

R36=0.36 μ H

④ Tolerance Code

M= $\pm$ 20%

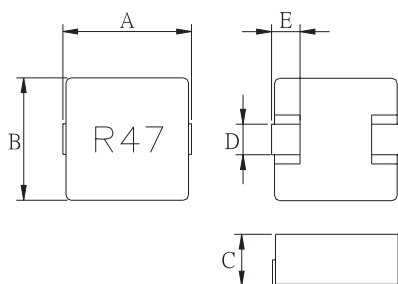
⑤ Series Type

V1 Type

⑥ Pattern Code

PRODUCT DIMENSIONS

NOTE: Dimension in mm



PART NO.	A	B	C	D	E
MMD-12EZ	13.6 Max	12.5 $\pm$ 0.3	5.0 Max.	3.00 $\pm$ 0.50	2.30 $\pm$ 0.30
MMD-12CE	13.6 Max	12.5 $\pm$ 0.3	3.5 Max.	3.00 $\pm$ 0.50	2.30 $\pm$ 0.30
MMD-10DZ	11.5 Max	10.0 $\pm$ 0.3	4.0 Max.	3.00 $\pm$ 0.50	2.00 $\pm$ 0.30
MMD-10EE	12.0 Max	10.0 $\pm$ 0.3	5.5 Max.	4.00 $\pm$ 0.50	2.00 $\pm$ 0.30
MMD-06CZ	7.40 Max	6.5 $\pm$ 0.3	3.0 Max.	3.00 $\pm$ 0.50	1.30 $\pm$ 0.30
MMD-06EZ	7.40 Max	6.5 $\pm$ 0.3	5.0 Max.	3.00 $\pm$ 0.50	1.30 $\pm$ 0.30

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■ SPECIFICATION

Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	Max		
MMD-12CE-R22M-V1	0.22	1.1	1.3	38.5	65
MMD-12CE-R33M-V1	0.33	1.3	1.5	36.5	62
MMD-12CE-R47M-V1	0.47	1.6	2	32	55
MMD-12CE-R60M-V1	0.60	1.8	2.2	29	51
MMD-12CE-R68M-V1	0.68	2.3	2.5	28	49
MMD-12CE-R82M-V1	0.82	2.6	3	25	44
MMD-12CE-1R0M-V1	1.0	3.3	3.5	24	40
MMD-12CE-1R5M-V1	1.5	5.1	5.5	19	35
MMD-12CE-1R8M-V1	1.8	6.5	7	16.5	30
MMD-12CE-2R2M-V1	2.2	7.2	8	16	29
MMD-12CE-3R3M-V1	3.3	11	12	12	27
MMD-12CE-4R7M-V1	4.7	14.3	15	10	24

Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	Max		
MMD-12EZ-R33M-V1	0.33	0.85	1.1	42	80
MMD-12EZ-R47M-V1	0.47	1.1	1.3	38	65
MMD-12EZ-R56M-V1	0.56	1.3	1.5	36	55
MMD-12EZ-R68M-V1	0.68	1.5	1.7	34	54
MMD-12EZ-R82M-V1	0.82	2.0	2.3	31	53
MMD-12EZ-1R0M-V1	1.0	2.1	2.5	29	50
MMD-12EZ-1R5M-V1	1.5	3.4	4.1	23	48
MMD-12EZ-1R8M-V1	1.8	4.2	4.9	19	40
MMD-12EZ-2R2M-V1	2.2	4.6	5.5	20	32

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Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	Max		
MMD-10DZ-R19M-C1	0.19	0.70	0.77	28	32
MMD-10DZ-R36M-C1	0.36	1.10	1.20	24	28
MMD-10DZ-R56M-C1	0.56	1.60	1.80	21	25
MMD-10DZ-1R0M-X1	1.00	3.0	3.3	18	36
MMD-10DZ-1R5M-X1	1.50	3.8	4.2	16	33

Welcome to inquire other specifications

Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	$\pm$ %		
MMD-10EE-R36M-N1	0.36	0.8	7	30	40
MMD-10EE-R36M-N3	0.36	0.8	5	40	60

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Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	Max		
MMD-06CZ-R20M-V1	0.20	2.4	3.0	24	41
MMD-06CZ-R22M-V1	0.22	2.5	2.8	23	40
MMD-06CZ-R33M-V1	0.33	3.5	3.9	20	30
MMD-06CZ-R47M-V1	0.47	4	4.2	17.5	26
MMD-06CZ-R68M-V1	0.68	5	5.5	15.5	25
MMD-06CZ-R82M-V1	0.82	6.7	8	13	24
MMD-06CZ-1R0M-V1	1.0	9	10	11	22
MMD-06CZ-1R5M-V1	1.5	14	15	9	18
MMD-06CZ-2R2M-V1	2.2	18	20	8	14
MMD-06CZ-3R3M-V1	3.3	28	30	6	13.5
MMD-06CZ-4R7M-V1	4.7	37	40	5.5	10

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Part No.	Inductance Lo(μ H) @0A	Rdc (m Ω)		Heat Rating Current Idc(A)	Saturation Current Isat(A)
		Typ.	Max		
MMD-06EZ-R56M-V1	0.56	3.4	3.6	20	12
MMD-06EZ-R68M-V1	0.68	4.2	4.5	18	11.5
MMD-06EZ-R82M-V1	0.82	4.6	4.9	16.5	13
MMD-06EZ-1R0M-V1	1.0	5.6	6.5	13	15
MMD-06EZ-1R5M-V1	1.5	8.6	9.0	12	12