

Mag Layers introduces the MMD Low-Profile Ultra High Current Power Inductors.

New Series offers a small package with big results.

June 2008, Irvine CA- Mag Layers USA, Inc. is proud to announce their Low Profile Ultra High Current Power Inductors MMD-04AB and MMD-06AE. These two new products offer the same high current capability in a small lower profile package. This series of High current power inductors have a height of less than 1.5 mm. These products compliment Mag Layers existing wide range of product offerings for the growing demand of high current applications.

Low Profile MMD Series

Electric Performance



Part Number	Lo(μ H) $\pm 20\%$ @0A	Rdc (m Ω)		IDC (A)	Isat (A)
		Typ.	Max		
MMD-06AE-3R3M-S1	3.3	78.2	89.9	4.2	5.1
MMD-06AE-4R7M-S1	4.7	96.6	111	3.8	4.6
MMD-06AE-5R6M-S1	5.6	146	167	2.8	3.1
MMD-06AE-6R8M-S1	6.8	173	198	2.4	2.64
MMD-06AE-8R2M-S1	8.2	188	216	2.3	2.5
MMD-06AE-100M-S1	10	216	248	2.16	2.3

Part Thickness: 1.5 mm

Low Profile MMD (Molded) Series

Electric Performance



Part Number	Lo(μ H) $\pm 20\%$ @0A	Rdc (m Ω)		IDC (A)	Isat (A)
		Typ.	Max		
MMD-04AB-R10M-V1	0.10	5.50	6.00	11.5	25.0
MMD-04AB-R22M-V1	0.22	11.0	12.0	8.5	20.0
MMD-04AB-R47M-V1	0.47	20.0	22.0	5.0	13.0
MMD-04AB-1R0M-V1	1.00	50.0	52.5	4.0	8.5
MMD-04AB-R10M-V2	0.10	5	5.5	12	12
MMD-04AB-R22M-V2	0.22	9.5	10.5	9.5	9.5
MMD-04AB-R47M-V2	0.47	19	21	6.0	6.0
MMD-04AB-1R0M-V2	1.00	43	47	4.2	4.5
MMD-04AB-1R5M-V2	1.50	68	75	3.25	3.25
MMD-04AB-2R2M-V2	2.20	90	100	2.75	3.00
MMD-04AB-3R3M-V2	3.30	113	124	1.85	2.30
MMD-04AB-4R7M-V2	4.70	130	145	1.30	1.70
MMD-04AB-6R8M-M1	6.8	312	374	1.4	1.6
MMD-04AB-8R2M-M1	8.2	341	409	1.3	1.5
MMD-04AB-100M-M1	10	386	463	1.2	1.4

Part Thickness: 1.2 mm



With this wide selection of products they can offer solutions for the increasing demands put on space and power saving requirements. The MMD series inductors are a perfect solution for PDA, notebook, desktop, and server applications. They continue to meet the needs of today's Low profile, high current power supplies, DC/DC converters for distributed power systems, and DC/DC converters as used in field programmable gate arrays.

The entire series is RoHS compliant, Halogen free, and packaged in a 100% lead free composite construction. The MMD series has a super low resistance and an ultra high current rating. Please visit their website for a complete listing of sizes and performance ratings.

<http://www.maglayersusa.com>

Samples are available in Irvine, CA and current production lead times range from 6 to 8 weeks.

Mag Layers is a world leading manufacturer of Inductors, Ferrite beads, and LTCC components. They produce over a billion components annually. Mag Layers' components are competitively priced and designed in at many of the Fortune 500's top tech firms. Mag Layers USA, Inc. services the North and South American markets.

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