

MCI High Heat Resistance Automotive, Low Inductance for High Switching Frequency METCOM MPEV Power Inductor Engineering Kit

Sample Kit Contents

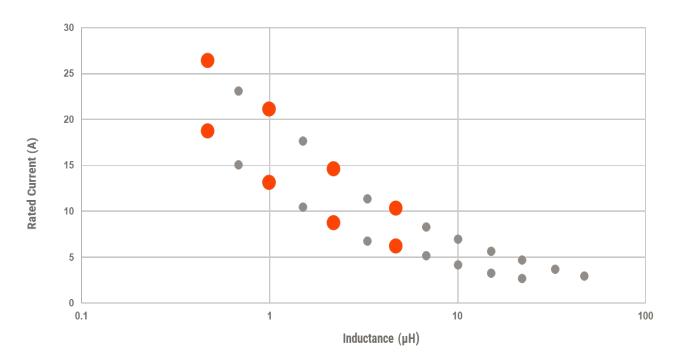
KEMET Part Number	Inductance (µH) at 100 kHz, 1 mA	Inductance Tolerance	DC Resistance (mΩ) Typical	DC Resistance (mΩ) Maximum	Rated Current (A)				
					Irms¹ (Ref.)	Isat² (Ref.)	Isat³ (Ref.)	Temperature	Quantity
MPEV1D0630LR47	0.47	±20%	3.5	4.00	18.7	15.0	21.0	-55/+180°C	5
MPEV1D1040LR47	0.47	±20%	2.1	2.40	26.4	29.0	42.0	-55/+180°C	5
MPEV1D0630L1R0	1.00	±20%	7.1	8.20	13.1	9.0	13.0	-55/+180°C	5
MPEV1D1040L1R0	1.00	±20%	3.3	3.80	21.1	19.5	29.0	-55/+180°C	5
MPEV1D0630L2R2	2.20	±20%	15.9	18.30	8.7	6.5	9.0	-55/+180°C	5
MPEV1D1040L2R2	2.20	±20%	6.8	7.90	14.6	13.0	18.5	-55/+180°C	5
MPEV1D0630L4R7	4.70	±20%	31.8	36.70	6.2	4.5	6.5	-55/+180°C	5
MPEV1D1040L4R7	4.70	±20%	13.8	15.90	10.3	10.0	14.0	-55/+180°C	5
KEMET	Inductance (µH)	Inductance	DC Resistance (mΩ)	DC Basistanas (m0)	Irms¹ (Ref.)	Isat² (Ref.)	Isat³ (Ref.)		
Part Number	at 100 kHz, 1 mA	Tolerance	Typical	Typical	Rated Current (A)			Temperature	Quantity

¹ T = 40 K rise at rated current

All electrical characteristics data is referenced to 25°C.

Selection Guide for METCOM MPEV Power Inductor

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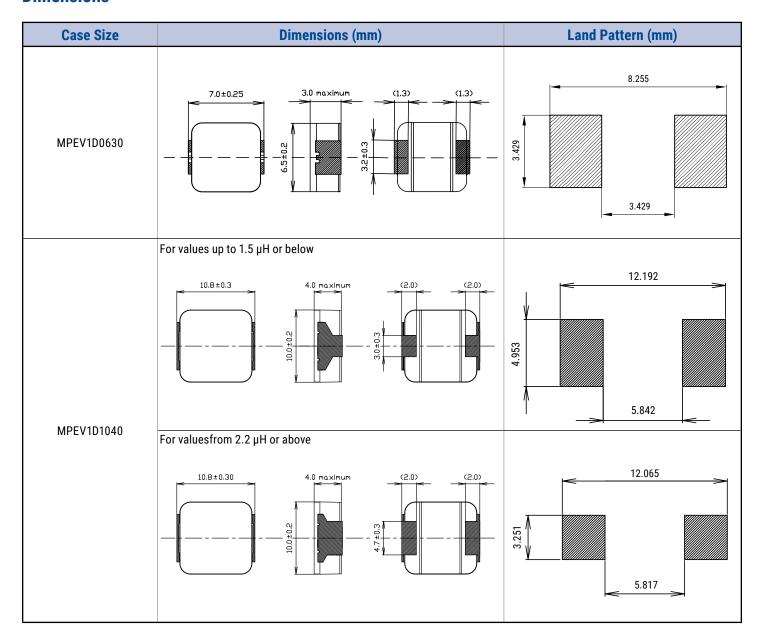


² Inductance drop 20% at rated current

³ Inductance drop 30% at rated current



Dimensions





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