

MCI High Heat Resistance Automotive, High Inductance for General Design 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)				
					Irms ¹ (Ref.)	Isat ² (Ref.)	Isat ³ (Ref.)	Temperature	Quantity
MPEV1D0630L6R8	6.80	±20%	44.2	50.90	5.2	4.0	5.5	-55/+180°C	5
MPEV1D1040L6R8	6.80	±20%	20.9	24.10	8.3	8.0	11.5	-55/+180°C	5
MPEV1D0630L100	10.00	±20%	67.8	78.00	4.2	3.5	4.5	-55/+180°C	5
MPEV1D1040L100	10.00	±20%	29.6	34.10	7.0	7.5	10.5	-55/+180°C	5
MPEV1D0630L150	15.00	±20%	113.2	130.20	3.3	3.0	4.0	-55/+180°C	5
MPEV1D1040L150	15.00	±20%	44.5	51.20	5.7	5.5	8.5	-55/+180°C	5
MPEV1D0630L220	22.00	±20%	162.0	186.30	2.7	2.5	3.5	-55/+180°C	5
MPEV1D1040L220	22.00	±20%	66.2	76.10	4.7	5.0	7.0	-55/+180°C	5
КЕМЕТ	Inductance (µH)	Inductance	DC Resistance (mΩ)	DC Pasistanas (m0)	Irms ¹ (Ref.)	Isat ² (Ref.)	Isat ³ (Ref.)		
Part Number	at 100 kHz, 1 mA	Tolerance	Typical	Typical	Rated Current (A)			Temperature	Quantity

¹ T = 40 K rise at rated current

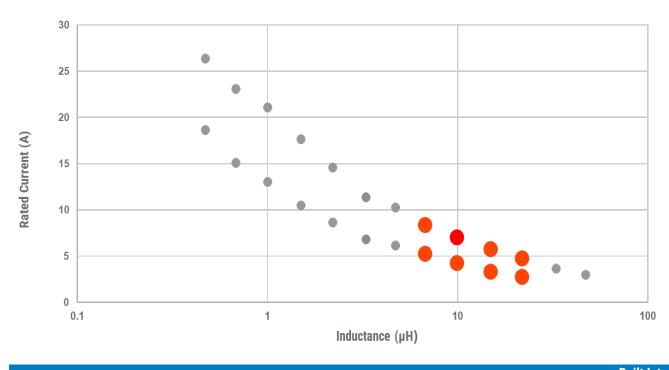
² Inductance drop 20% at rated current

³ Inductance drop 30% at rated current

All electrical characteristics data is referenced to 25°C.

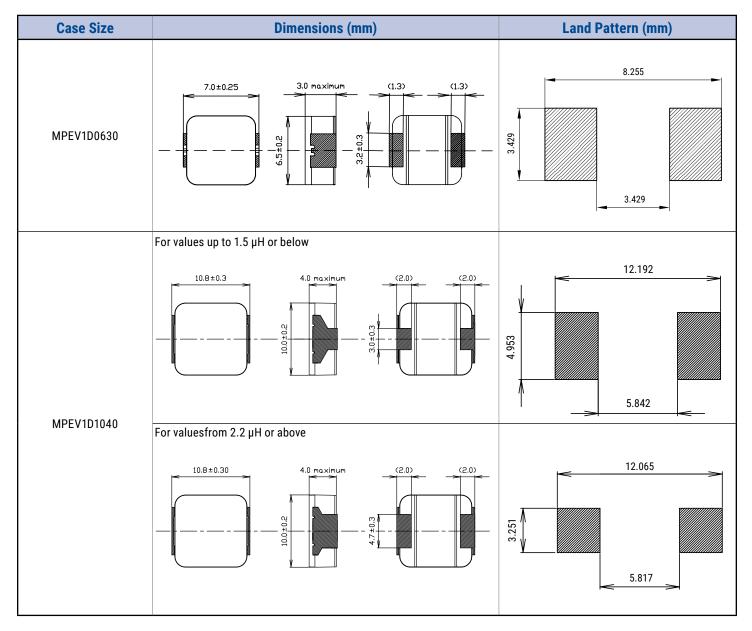
Selection Guide for METCOM MPEV Power Inductor

MCI High Heat Resistance Automotive, High Inductance for General Design





Dimensions





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