

MCI Vibration Resistance Automotive, High Inductance for General Design METCOM MPGV Power Inductor Engineering Kit

Sample Kit Contents

KEMET Part Number	Inductance (μ H) at 100 kHz, 1 mA	Inductance Tolerance	DC Resistance (m Ω) Typical	DC Resistance (m Ω) Maximum	Rated Current (A)			Temperature	Quantity
					Irms ¹ (Ref.)	Isat ² (Ref.)	Isat ³ (Ref.)		
MPGV1D1054L100	10.00	±20%	26.0	29.90	7.6	8.5	12.5	-55/+155°C	5
MPGV1D1054L150	15.00	±20%	34.2	39.30	6.6	7.0	11.0	-55/+155°C	5
MPGV1D1054L220	22.00	±20%	44.6	51.30	5.8	5.5	8.5	-55/+155°C	5
MPGV1D1054L330	33.00	±20%	74.0	85.10	4.5	5.0	7.5	-55/+155°C	5
MPGV1D1054L470	47.00	±20%	117.6	135.20	3.6	4.0	6.0	-55/+155°C	5
KEMET Part Number	Inductance (μ H) at 100 kHz, 1 mA	Inductance Tolerance	DC Resistance (m Ω) Typical	DC Resistance (m Ω) Typical	Irms ¹ (Ref.)	Isat ² (Ref.)	Isat ³ (Ref.)	Temperature	Quantity
					Rated Current (A)				

¹ T = 40 K rise at rated current

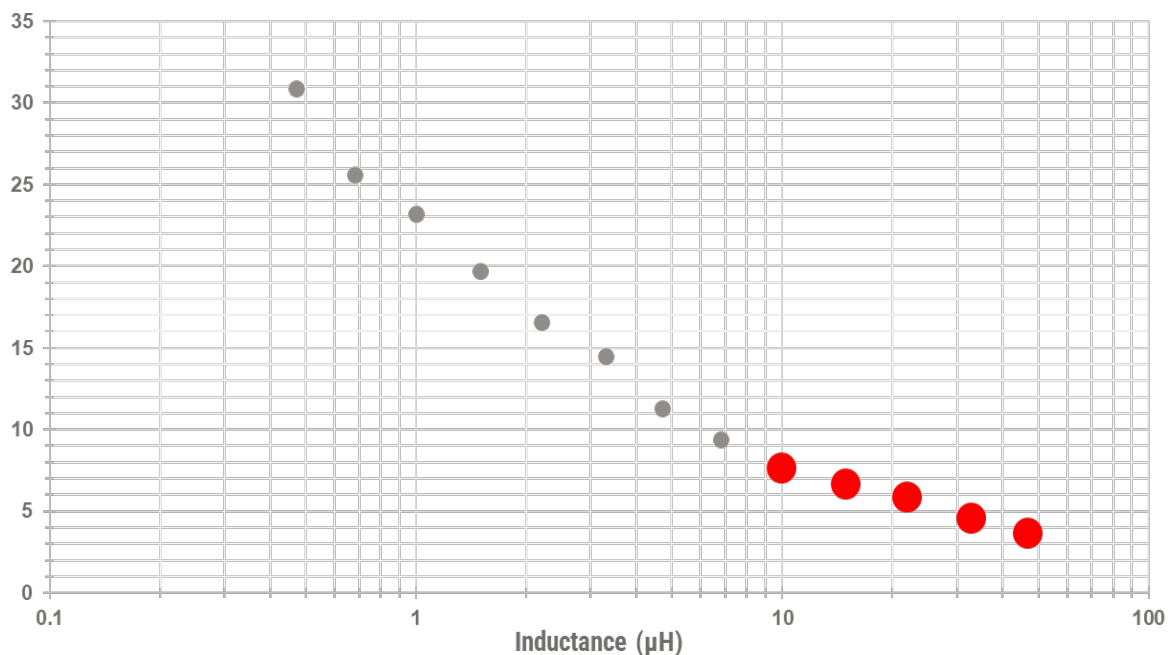
² Inductance drop 20% at rated current

³ Inductance drop 30% at rated current

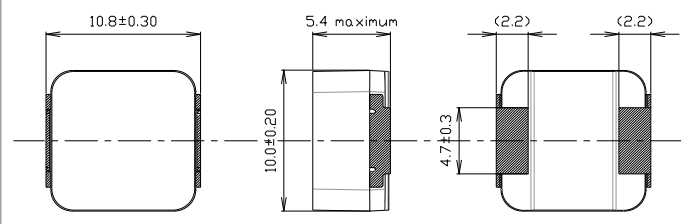
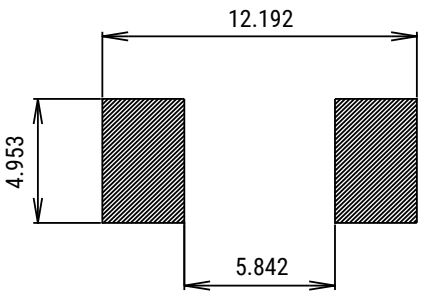
All electrical characteristics data is referenced to 25°C.

Selection Guide for METCOM MPGV Power Inductor

MCI Vibration Resistance Automotive, High Inductance for General Design



Dimensions

Case Size	Dimensions (mm)	Land Pattern (mm)
MPGV1D1054		

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