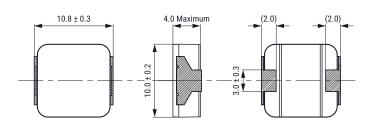


MPXV1D1040L470 Aliases (UPI2X11040V470) KEMET, MPXV, Metal Composite, 20%, 47 uH, 1040(4340)



General Information	
Series	MPXV
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Click here for the 3D model.

Dimensions	
Chip Size	1040(4340)
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
Т	4mm MAX
G	3mm +/-0.3mm

Packaging Specifications

Typical Component Weight	2.2 g
Packaging	T&R, 330mm
Packaging Quantity	500

Specifications	
Inductance	47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	3 A (Irms, 40C Rise By Self Heating)
Saturation Current	3 A (Isat, 20% Drop In Inductance), 4 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	182.6 mOhms
DC Resistance	182.6 mOhms
Self-Resonant Frequency	4.5 MHz

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