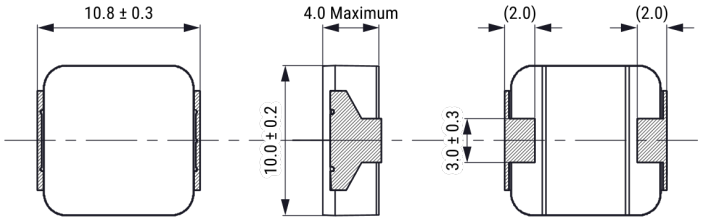
MPXV1D1040L470

Aliases (UPI2X11040V470)

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



Click here for the 3D model.

Dimensions	
Chip Size	1040(4340)
AEC-Q200	Yes
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
G	3mm +/-0.3mm

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

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.

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

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