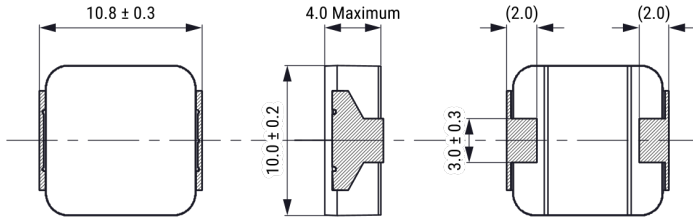


MPXV1D1040L4R7

Aliases (UPI2X11040V4R7)

KEMET, MPXV, Metal Composite, 20%, 4700 nH, 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	4700 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	10.3 A (I _{rms} , 40C Rise By Self Heating), 10 A (I _{sat} , 20% Drop In Inductance), 14 A (I _{sat} , 30% Drop In Inductance)
DC Resistance	15.9 mOhms
Self-Resonant Frequency	17 MHz

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