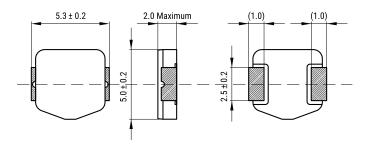


MPXV1D0520L1R0

Aliases (UPI2X10520V1R0) KEMET, MPXV, Metal Composite, 20%, 1,000 nH, 0520(2120)



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	0520(2120)
L	5.3mm +/-0.2mm
W	5mm +/-0.2mm
т	2mm MAX
G	2.5mm +/-0.2mm

Packaging Specifications

Typical Component Weight Packaging Packaging Quantity 230 mg T&R, 330mm 3500

Specifications	
Inductance	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	7.6 A (Irms, 40C Rise By Self Heating)
Saturation Current	7 A (Isat, 20% Drop In Inductance), 9 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	18.9 mOhms
DC Resistance	18.9 mOhms
Self-Resonant Frequency	62 MHz

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