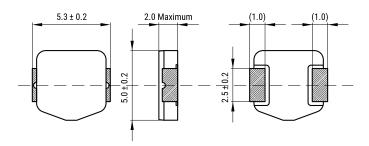


## MPXV1D0520LR47 Aliases (UPI2X10520VR47)

Allases (UPI2X10520VR47) KEMET, MPXV, Metal Composite, 20%, 470 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 SpecificationsTypical Component Weight230 mgPackagingT&R, 330mmPackaging Quantity3500

Specifications	
Inductance	0.47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	12 A (Irms, 40C Rise By Self Heating)
Saturation Current	9 A (Isat, 20% Drop In Inductance), 14 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	7.8 mOhms
DC Resistance	7.8 mOhms
Self-Resonant Frequency	87 MHz

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