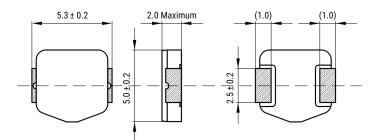


MPXV1D0520LR47

Aliases (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)	
AEC-Q200	Yes	
L	5.3mm +/-0.2mm	
W	5mm +/-0.2mm	
Т	2mm MAX	
G	2.5mm +/-0.2mm	

Packaging Specifications		
Typical Component Weight	230 r	
Packaging	T&R,	

Packaging Quantity

230 mg T&R, 330mm 3500

Specifications		
Inductance	470 nH	
Inductance Tolerance	20%	
Temperature Range	-55/+155°C	
Shielded	Yes	
Current	12 A (Irms, 40C Rise By Self Heating), 9 A (Isat, 20% Drop In Inductance), 14 A (Isat, 30% Drop In Inductance)	
DC Resistance	7.8 mOhms	
Self-Resonant Frequency	87 MHz	

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