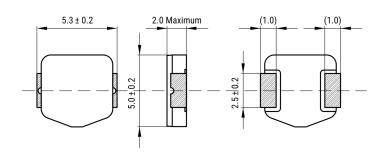


## **MPXV1D0520LR47**

Aliases (UPI2X10520VR47)

KEMET, MPXV, Power, 0.47 uH, 20%, 0520(2120)



General Information	
Series	MPXV
Style	SMD
Chip Size	0520(2120)
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

Click here for the 3D model.

Dimensions		/
L	5.3mm +/-0.2mm	
W	5mm +/-0.2mm	
Т	2mm MAX	
LL	1mm NOM	
G	2.5mm +/-0.2mm	

Packaging Specifications	
Packaging	T&R, 330mm
Packaging Quantity	3500

Specifications	,	
Inductance	0.47 uH	
Inductance	20%	
Tolerance		
Temperature	-55/+155°C	
Range		
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	87 MHz	
Frequency		

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.