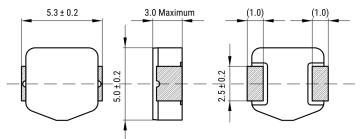


MPX1D0530LR47

Aliases (UPI2X10530LR47)

KEMET, MPX, Power, 0.47 uH, 20%, 0530(2120)



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Click here for the 3D model.

Dimensions	
L	5.3mm +/-0.2mm
W	5mm +/-0.2mm
Т	3mm MAX
LL	1mm NOM
G	2.5mm +/-0.2mm

Packaging Specifications				
Packaging	T&R, 330mm			
Packaging Quantity	2500			

General Information					
Series	MPX				
Style	SMD				
Chip Size	0530(2120)				
Description	Surface Mount Inductor				
Features	Power Inductors				
RoHS	Yes				
Core	Composite				
Miscellaneous	40 (K) Temperature Rise Max.				

Specifications				
Inductance	0.47 uH			
Inductance Tolerance	20%			
Temperature Range	-55/+155°C			
Shielded	Yes			
Current	13.8 A (Irms, 40C Rise By Self Heating), 9 A (Isat, 20% Drop In Inductance), 13 A (Isat, 30% Drop In Inductance)			
DC Resistance	6.9 mOhms			
Self-Resonant Frequency	91 MHz			

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.