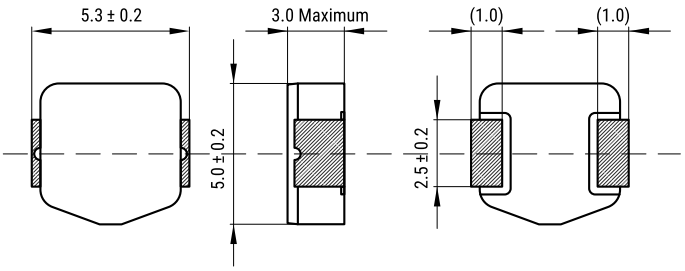
MPX1D0530LR47

Aliases (UPI2X10530LR47)

KEMET, MPX, Metal Composite, 20%, 470 nH



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

Click here for the 3D model.

Dimensions	
L	5.3mm +/-0.2mm
W	5mm +/-0.2mm
T	3mm MAX
G	2.5mm +/-0.2mm

Packaging Specifications	
Typical Component Weight	330 mg
Packaging	T&R, 330mm
Packaging Quantity	2500

Specifications	
Inductance	0.47 uH (0.1 MHz)
Inductance Tolerance	20%
Rated Current	13.8 A (Irms, 40C Rise By Self Heating)
Saturation Current	9 A (Isat, 20% Drop In Inductance), 13 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	6.9 mOhms
DC Resistance	6.9 mOhms
Self-Resonant Frequency	91 MHz

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