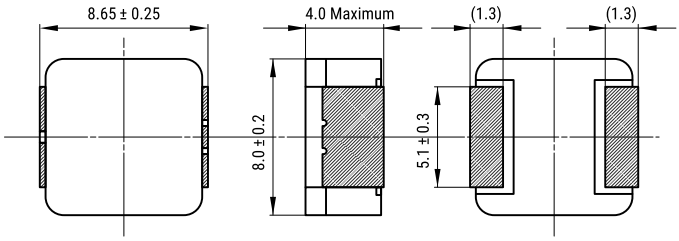
MPXV1D0840L1R0

Aliases (UPI2X10840V1R0)

KEMET, MPXV, Metal Composite, 20%, 1,000 nH



Click here for the 3D model.

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

Dimensions	
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications	
Typical Component Weight	1.45 g
Packaging	T&R, 330mm
Packaging Quantity	1000

Specifications	
Inductance	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	20.8 A (Irms, 40C Rise By Self Heating)
Saturation Current	19.5 A (Isat, 20% Drop In Inductance), 28 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	4.2 mOhms
DC Resistance	4.2 mOhms
Self-Resonant Frequency	40 MHz

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