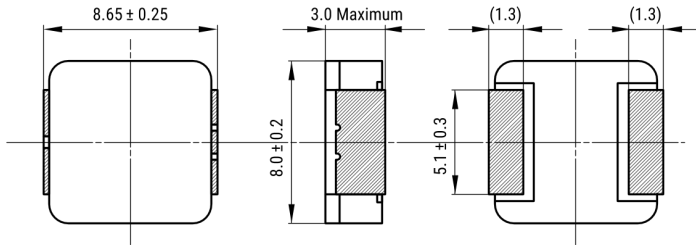


## MPXV1D0830L1R0

Aliases (UPI2X10830V1R0)

KEMET, MPXV, Metal Composite, 20%, 1000 nH, 0830(3431)



Click [here](#) for the 3D model.

### Dimensions

Chip Size	0830(3431)
AEC-Q200	Yes
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	3mm MAX
G	5.1mm +/-0.3mm

### Packaging Specifications

Typical Component Weight	1.07 g
Packaging	T&R, 330mm
Packaging Quantity	1500

### 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.

### Specifications

Inductance	1000 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	17.6 A (Irms, 40C Rise By Self Heating), 16 A (Isat, 20% Drop In Inductance), 23 A (Isat, 30% Drop In Inductance)
DC Resistance	5.7 mOhms
Self-Resonant Frequency	46 MHz