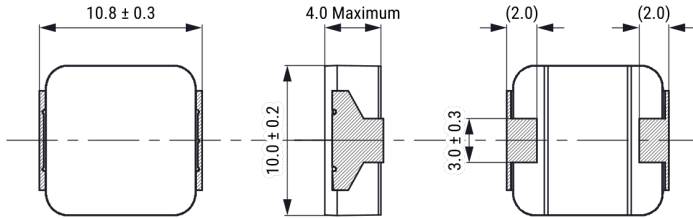


## MPXV1D1040L6R8

Aliases (UPI2X11040V6R8)

KEMET, MPXV, Power, 6.8 uH, 20%, 1040(4340)



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

### Dimensions

L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
LL	2mm NOM
G	3mm +/-0.3mm

### Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	500

### General Information

Series	MPXV
Style	SMD
Chip Size	1040(4340)
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

### Specifications

Inductance	6.8 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	8.3 A (Irms, 40C Rise By Self Heating), 8 A (Isat, 20% Drop In Inductance), 11.5 A (Isat, 30% Drop In Inductance)
DC Resistance	24.1 mOhms
Self-Resonant Frequency	14 MHz