

## MPXV1D0618L1R0

Aliases (UPI2X10618V1R0)

KEMET, MPXV, Power, 1 uH, 20%, 0618(2826)



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

### Dimensions

L	7mm +/-0.25mm
W	6.5mm +/-0.2mm
T	1.8mm MAX
LL	1.3mm NOM
G	3.2mm +/-0.3mm

### Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	2500

### General Information

Series	MPXV
Style	SMD
Chip Size	0618(2826)
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	1 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	7.1 A (Irms, 40C Rise By Self Heating), 8 A (Isat, 20% Drop In Inductance), 11 A (Isat, 30% Drop In Inductance)
DC Resistance	19.3 mOhms
Self-Resonant Frequency	55 MHz

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