

## MPX1D0618LR10

Aliases (UPI2X10618LR10)

KEMET, MPX, Power, 0.1 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	MPX
Style	SMD
Chip Size	0618(2826)
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

### Specifications

Inductance	0.1 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	18.9 A (I <sub>rms</sub> , 40C Rise By Self Heating), 22.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 40 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	2.8 mOhms
Self-Resonant Frequency	230 MHz

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