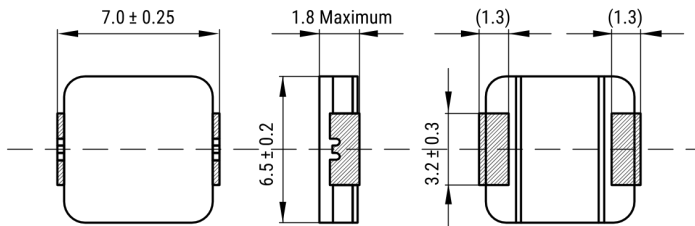


## MPXV1D0618LR47

Aliases (UPI2X10618VR47)

KEMET, MPXV, Metal Composite, 20%, 470 nH, 0618(2826)



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

### Dimensions

Chip Size	0618(2826)
AEC-Q200	Yes
L	7mm +/-0.25mm
W	6.5mm +/-0.2mm
T	1.8mm MAX
G	3.2mm +/-0.3mm

### Packaging Specifications

Typical Component Weight	370 mg
Packaging	T&R, 330mm
Packaging Quantity	2500

### 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	470 nH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	10.7 A (Irms, 40C Rise By Self Heating), 11 A (Isat, 20% Drop In Inductance), 17 A (Isat, 30% Drop In Inductance)
DC Resistance	8.5 mOhms
Self-Resonant Frequency	95 MHz