

KEMET Part Number: MPXV1D1054LR47
(UPI2X11054VR47)



KEMET, MPXV, Power, 0.47 uH, 20%, 1054(4340)

General Information

Series:	MPXV
Style:	SMD
Chip Size:	1054(4340)
Description:	Surface Mount Inductor
Features:	Power Inductors
RoHS:	Yes
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Core:	Composite
Miscellaneous:	40 (K) Temperature Rise Max.

Dimensions

L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	5.4mm MAX
LL	2.2mm NOM
G	4.7mm +/-0.3mm

Packaging Specifications

Packaging:	T&R, 330mm
Packaging Quantity:	500

Specifications

Inductance:	0.47 uH (100 KHz)
Inductance Tolerance:	20%
Temperature Range:	-55/+155°C
Shielded:	Yes
Current:	30.9 A (Irms, 40C Rise By Self Heating), 39 A (Isat, 20% Drop In Inductance), 51 A (Isat, 30% Drop In Inductance)
DC Resistance:	1.84 mOhms
Self-Resonant Frequency:	46 MHz

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