

MPEV1D1040L1R5

Aliases (UPI2X11040E1R5)

KEMET, MPEV, Metal Composite, 20%, 1,500 nH, 4340



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

General Information

Series	MPEV
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	1.5 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	17.7 A (Irms, 40C Rise By Self Heating)
Saturation Current	18 A (Isat, 20% Drop In Inductance), 26 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+180°C
Shielded	Yes
DC Resistance	5.4 mOhms
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Self-Resonant Frequency	30 MHz

Dimensions

Chip Size	4340
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
G	4.7mm +/-0.3mm

Packaging Specifications

Typical Component Weight	2.2 g
Packaging	T&R, 330mm
Packaging Quantity	500

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