



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.

Specifications

Inductance	1 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	22.9 A (Irms, 40C Rise By Self Heating), 20 A (Isat, 20% Drop In Inductance), 27 A (Isat, 30% Drop In Inductance)
DC Resistance	3.34 mOhms
Self-Resonant Frequency	31 MHz

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

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

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