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General Information

Series	MPCV
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.

Dimensions

Chip Size	1260(5749)
L	14.5mm MAX
W	12.5mm +/-0.3mm
T	6mm MAX
G	3mm +/-0.5mm

Packaging Specifications

Typical Component Weight	5.5 g
Packaging	T&R, 330mm
Packaging Quantity	300

Specifications

Inductance	1 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1,000 nH
Rated Current	32 A (Irms, 40C Rise By Self Heating)
Saturation Current	42 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	42 A (Isat, 30% Drop In Inductance), 32 A (Irms, 40C Rise By Self Heating)
DC Resistance	1.5 mOhms
DC Resistance	1.5 mOhms

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