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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	1060(4739)
L	12mm MAX
W	10mm +/-0.3mm
T	6mm MAX
G	3mm +/-0.5mm

Packaging Specifications

Typical Component Weight	3.5 g
Packaging	T&R, 380mm
Packaging Quantity	500

Specifications

Inductance	1.5 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1,500 nH
Rated Current	22 A (Irms, 40C Rise By Self Heating)
Saturation Current	27 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	27 A (Isat, 30% Drop In Inductance), 22 A (Irms, 40C Rise By Self Heating)
DC Resistance	2.5 mOhms
DC Resistance	2.5 mOhms

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