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General Information

Series	MPGV
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	1054
AEC-Q200	Yes
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	5.4mm MAX
G	4.7mm +/-0.3mm

Packaging Specifications

Typical Component Weight	3 g
Packaging	T&R, 330mm
Packaging Quantity	500

Specifications

Inductance	47 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	47 uH
Temperature Range	-55/+155°C
Shielded	true
Current	3.6 A (Irms, 40C Rise By Self Heating), 4 A (Isat, 20% Drop In Inductance), 6 A (Isat, 30% Drop In Inductance)
DC Resistance	117.6 mOhms
DC Resistance	117.6 mOhms
Self-Resonant Frequency	4 MHz

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