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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	1 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	1000 nH
Temperature Range	-55/+155°C
Shielded	true
Current	23.2 A (I <sub>rms</sub> , 40C Rise By Self Heating), 24 A (I <sub>sat</sub> , 20% Drop In Inductance), 34 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	2.8 mOhms
DC Resistance	2.8 mOhms
Self-Resonant Frequency	32 MHz

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