



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

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	0.47 uH (0.1MHz)
Inductance Tolerance	20%
Inductance	470 nH
Temperature Range	-55/+155°C
Shielded	true
Current	30.9 A (Irms, 40C Rise By Self Heating), 39 A (Isat, 20% Drop In Inductance), 51 A (Isat, 30% Drop In Inductance)
DC Resistance	1.6 mOhms
DC Resistance	1.6 mOhms
Self-Resonant Frequency	46 MHz

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.