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General Information

Series	MPEV
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

L	7mm +/-0.25mm
W	6.5mm +/-0.2mm
T	3mm MAX
G	3.2mm +/-0.3mm

Specifications

Inductance	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	13.1 A (Irms, 40C Rise By Self Heating)
Saturation Current	9 A (Isat, 20% Drop In Inductance), 13 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+180°C
Shielded	Yes
DC Resistance	8.2 mOhms
DC Resistance	8.2 mOhms
Self-Resonant Frequency	43 MHz

Packaging Specifications

Typical Component Weight	620 mg
Packaging	T&R, 330mm
Packaging Quantity	1500

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