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General Information

Series	MPXV
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	1740(6868)
L	17mm +/-0.5mm
W	17.1mm +/-0.5mm
T	4mm MAX
G	11.9mm NOM

Specifications

Inductance	1 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	30 A (Irms, 40C Rise By Self Heating)
Saturation Current	28 A (Isat, 20% Drop In Inductance), 43 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	2.3 mOhms
DC Resistance	2.3 mOhms
Self-Resonant Frequency	30 MHz

Packaging Specifications

Typical Component Weight	6.3 g
Packaging	T&R, 330mm
Packaging Quantity	100

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