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General Information

Series	MPC
Style	SMD Molded
Core	Metal Composite
Description	Shielded, Surface Mount Inductor
Features	High Speed, Large Current DC/DC Converter
RoHS	Yes

Dimensions

Chip Size	5749
L	14.5mm MAX
W	12.5mm +/-0.3mm
T	5mm MAX
G	3mm +/-0.5mm

Specifications

Inductance	0.36 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	360 nH
Rated Current	38 Amps (Irms, 40C Rise By Self Heating)
Saturation Current	40 Amps (Isat, 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	40 Amps (Isat, 20% Drop In Inductance), 38 Amps (Irms, 40C Rise By Self Heating)
DC Resistance	0.65 mOhms
DC Resistance	0.65 mOhms

Packaging Specifications

Packaging	T&R, 380mm
Packaging Quantity	500

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