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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	4539
L	11.5mm MAX
W	10mm +/-0.3mm
T	4mm MAX
G	3.5mm +/-0.5mm

Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	500

Specifications

Inductance	0.45 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	450 nH
Rated Current	25 Amps (I _{rms} , 40C Rise By Self Heating)
Saturation Current	27 Amps (I _{sat} , 20% Drop In Inductance)
Temperature Range	-40/+125°C
Rated Temperature	120°C
Shielded	Yes
Current	27 Amps (I _{sat} , 20% Drop In Inductance), 25 Amps (I _{rms} , 40C Rise By Self Heating)
DC Resistance	1.1 mOhms
DC Resistance	1.1 mOhms

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