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General Information

Series	MPLCV
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors, Automotive
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions

Chip Size	1054(4340)
L	11.5mm MAX
W	10mm +/-0.4mm
T	5.4mm MAX

Packaging Specifications

Typical Component Weight	3 g
Packaging	T&R, 380mm
Packaging Quantity	1000

Specifications

Inductance	10 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	10 uH
Rated Current	7.1 A (Irms, 40C Rise By Self Heating)
Saturation Current	12 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
Current	12 A (Isat, 30% Drop In Inductance), 7.1 A (Irms, 40C Rise By Self Heating)
DC Resistance	25 mOhms
DC Resistance	25 mOhms

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