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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

L	7.9mm MAX
W	6.7mm +/-0.4mm
T	5.4mm MAX

#### Packaging Specifications

Typical Component Weight	1.2 g
Packaging	T&R, 380mm
Packaging Quantity	1000

#### Specifications

Inductance	47 uH (0.1 MHz)
Inductance Tolerance	20%
Rated Current	2.1 A (Irms, 40C Rise By Self Heating)
Saturation Current	3 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/ +155°C
Shielded	Yes
DC Resistance	175 mOhms
DC Resistance	175 mOhms

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