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**General Information**

Series	MPEV
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	4340
L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
G	3mm +/-0.3mm

**Packaging Specifications**

Typical Component Weight	2.2 g
Packaging	T&R, 330mm
Packaging Quantity	500

**Specifications**

Inductance	47 uH (100 kHz)
Inductance Tolerance	20%
Inductance	47 uH
Rated Current	3 A (Irms, 40C Rise By Self Heating)
Saturation Current	3 A (Isat, 20% Drop In Inductance), 4 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+180°C
Shielded	true
Current	3 A (Irms, 40C Rise By Self Heating), 3 A (Isat, 20% Drop In Inductance), 4 A (Isat, 30% Drop In Inductance)
DC Resistance	182.6 mOhms
DC Resistance	182.6 mOhms
Self-Resonant Frequency	4.5 MHz

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