



Click [here](#) for the 3D model.

Dimensions

L	10.8mm +/-0.3mm
W	10mm +/-0.2mm
T	4mm MAX
LL	2mm NOM
G	3mm +/-0.3mm

Packaging Specifications

Packaging	T&R, 330mm
Packaging Quantity	500

General Information

Series	MPEV
Style	SMD
Chip Size	4340
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

Specifications

Inductance	47 uH
Inductance Tolerance	20%
Temperature Range	-55/+180°C
Shielded	Yes
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
Self-Resonant Frequency	4.5 MHz