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### Dimensions

Chip Size	1040(4340)
AEC-Q200	Yes
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

### General Information

Series	MPXV
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.

### Specifications

Inductance	15 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
Shielded	Yes
Current	5.7 A (I <sub>rms</sub> , 40C Rise By Self Heating), 5.5 A (I <sub>sat</sub> , 20% Drop In Inductance), 8.5 A (I <sub>sat</sub> , 30% Drop In Inductance)
DC Resistance	51.2 mOhms
Self-Resonant Frequency	8 MHz