YAGEO GROUP
KEMET

General Information

Series	MPX
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions shown:
7.0 ± 0.25
3.0 Maximum
(1.3)
(1.3)
6.5 ± 0.2
3.2 ± 0.3

Click here for the 3D model.

Dimensions

Chip Size	0630(2826)
L	7mm +/-0.25mm
W	6.5mm +/-0.2mm
T	3mm MAX
G	3.2mm +/-0.3mm

Packaging Specifications

Typical Component Weight	620 mg
Packaging	T&R, 330mm
Packaging Quantity	1500

Specifications

Inductance	6.8 uH (0.1 MHz)
Inductance Tolerance	20%
Inductance	6800 nH
Rated Current	5.2 A (Irms, 40C Rise By Self Heating)
Saturation Current	4 A (Isat, 20% Drop In Inductance), 5.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	true
Current	5.2 A (Irms, 40C Rise By Self Heating), 4 A (Isat, 20% Drop In Inductance), 5.5 A (Isat, 30% Drop In Inductance)
DC Resistance	50.9 mOhms
DC Resistance	50.9 mOhms
Self-Resonant Frequency	16 MHz