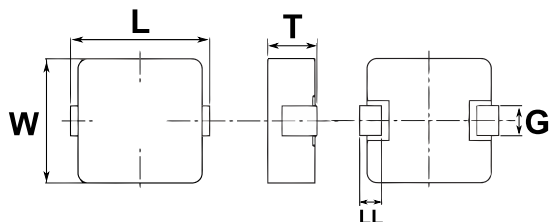


**KEMET Part Number: MPC1250LR50C**  
(UPIA1250LR50C0)

Power, MPC, 500 nH, 20%



#### Dimensions

Dimensions	
Chip Size	5749
L	14.5mm MAX
W	12.5mm +/-0.3mm
T	5mm MAX
LL	2.2mm NOM
G	3mm +/-0.5mm

#### Packaging Specifications

Packaging:	T&R, 380mm
Packaging Quantity:	500

#### General Information

Style:	SMD Chip
Series:	MPC
Description:	Shielded, Surface Mount Inductor
Features:	High Speed, Large Current DC/DC Converter
RoHS:	Yes
Core:	Composite

#### Specifications

Inductance:	0.5 uH (0.1 MHz)
Inductance Tolerance:	20%
Temperature Range:	-20/+120C
Shielded:	Yes
Current:	40000 mAmps (Isat, 20% Drop In Inductance), 35000 mAmps (Irms, 40C Rise By Self Heating)
DC Resistance:	0.8 mOhms