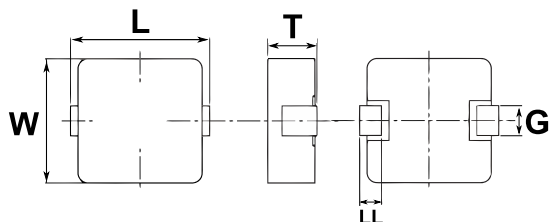


**KEMET Part Number: MPCG1040LR45**  
(UPIB1040LR4500)

Power, MPCG, 450 nH, 20%



**Dimensions**

Dimensions	
Chip Size	4539
L	11.5mm MAX
W	10mm +/-0.3mm
T	4mm MAX
LL	2.1mm NOM
G	3.5mm +/-0.5mm

**Packaging Specifications**

Packaging:	T&R, 330mm
Packaging Quantity:	500

**General Information**

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

**Specifications**

Inductance:	0.45 uH (0.1 MHz)
Inductance Tolerance:	20%
Temperature Range:	-20/+120C
Shielded:	Yes
Current:	27000 mAmps (Isat, 20% Drop In Inductance), 25000 mAmps (Irms, 40C Rise By Self Heating)
DC Resistance:	1.1 mOhms