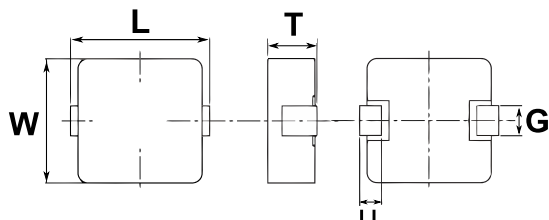


**KEMET Part Number: MPCG1040LR45** **Not for New Design**  
(UPIB1040LR4500)



KEMET, MPCG, Power, 0.45 uH, 20%, 4539



General Information	
Series:	MPCG
Style:	SMD
Chip Size:	4539
Description:	Shielded, Surface Mount Inductor
Features:	High Speed, Large Current DC/DC Converter
RoHS:	Yes
Core:	Composite

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

Specifications	
Inductance:	0.45 uH
Inductance Tolerance:	20%
Temperature Range:	-40/+125°C
Rated Temperature:	120°C
Shielded:	Yes
Current:	27 Amps (Isat, 20% Drop In Inductance), 25 Amps (Irms, 40C Rise By Self Heating)
DC Resistance:	1.1 mOhms

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

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