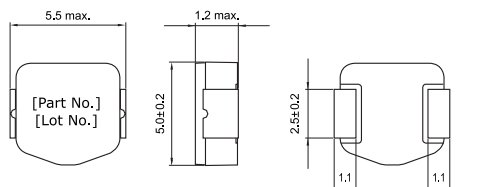


**KEMET Part Number: MPLCH0512LR33** **Not for New Design**  
(UPIF0512LR3300)

KEMET, MPLCH, Power, 330 nH, 20%



General Information	
<b>Series:</b>	MPLCH
<b>Style:</b>	SMD
<b>Description:</b>	Surface Mount Inductor
<b>Features:</b>	Low Profile Power Inductors
<b>RoHS:</b>	Yes
<b>Core:</b>	Composite
<b>Miscellaneous:</b>	40 (K) Temperature Rise Max.

Dimensions	
<b>Chip Size</b>	2220
<b>L</b>	5.5mm MAX
<b>W</b>	5mm +/-0.2mm
<b>T</b>	1.2mm MAX
<b>S1</b>	1.1mm NOM
<b>LL</b>	1.1mm NOM
<b>G</b>	2.5mm +/-0.2mm

Specifications	
<b>Inductance:</b>	0.33 uH (0.1 MHz)
<b>Inductance Tolerance:</b>	20%
<b>Temperature Range:</b>	-40/+125C
<b>Rated Temperature:</b>	120°C
<b>Shielded:</b>	Yes
<b>Current:</b>	9.6 A (Isat, 30% Drop In Inductance), 7.5 A (Irms, 40C Rise By Self Heating)
<b>DC Resistance:</b>	16 mOhms

Packaging Specifications	
<b>Packaging:</b>	T&R, 380mm
<b>Packaging Quantity:</b>	5000

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