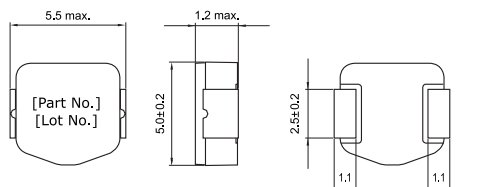


**KEMET Part Number: MPLCH0512L1R0** **Not for New Design**  
(UPIF0512L1R000)

KEMET, MPLCH, Power, 1000 nH, 20%



#### Dimensions

Chip Size	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

#### Packaging Specifications

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

#### 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.

#### Specifications

<b>Inductance:</b>	1 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>	6.1 A (Isat, 30% Drop In Inductance), 4.4 A (Irms, 40C Rise By Self Heating)
<b>DC Resistance:</b>	47 mOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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