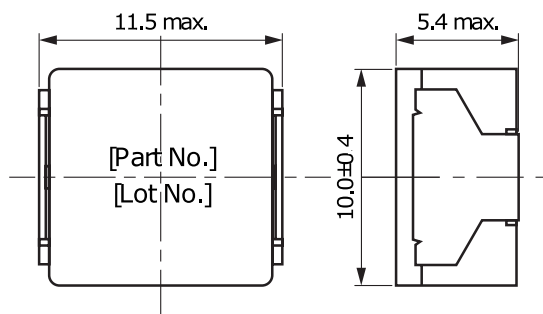


**KEMET Part Number: MPLCV1054L100**  
(UPIT1054L10000)

KEMET, MPLCV, Power, 10 uH, 20%



General Information	
Series:	MPLCV
Style:	SMD
Description:	Surface Mount Inductor
Features:	Power Inductors, Automotive
RoHS:	Yes
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Core:	Composite
Miscellaneous:	40 (K) Temperature Rise Max.

Dimensions	
Chip Size	4539
L	11.5mm MAX
W	10mm +/-0.4mm
T	5.4mm MAX

Packaging Specifications	
Packaging:	T&R, 380mm
Packaging Quantity:	1000

Specifications	
Inductance:	10 uH (0.1 MHz)
Inductance Tolerance:	20%
Temperature Range:	-55/+155C
Shielded:	Yes
Current:	12 A (Isat, 30% Drop In Inductance), 7.1 A (Irms, 40C Rise By Self Heating)
DC Resistance:	25 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.