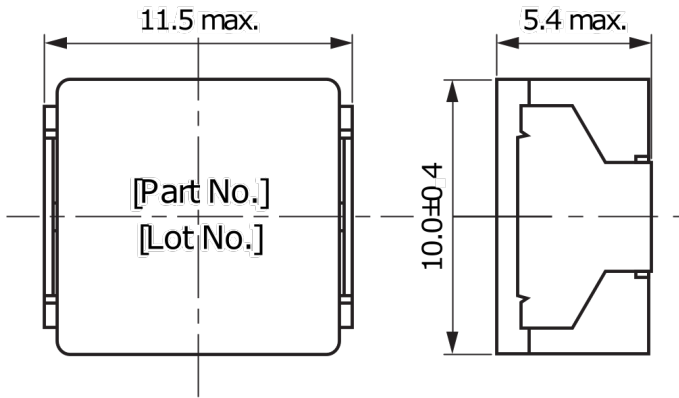


MPLCV1054L100

Aliases (UPIT1054L10000)

KEMET, MPLCV, Power, 10 uH, 20%, 1054(4340)



Click [here](#) for the 3D model.

Dimensions

L	11.5mm MAX
W	10mm +/-0.4mm
T	5.4mm MAX

Packaging Specifications

Packaging	T&R, 380mm
Packaging Quantity	1000

General Information

Series	MPLCV
Style	SMD
Chip Size	1054(4340)
Description	Surface Mount Inductor
Features	Power Inductors, Automotive
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Core	Composite
Miscellaneous	40 (K) Temperature Rise Max.

Specifications

Inductance	10 uH
Inductance Tolerance	20%
Temperature Range	-55/+155°C
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.

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