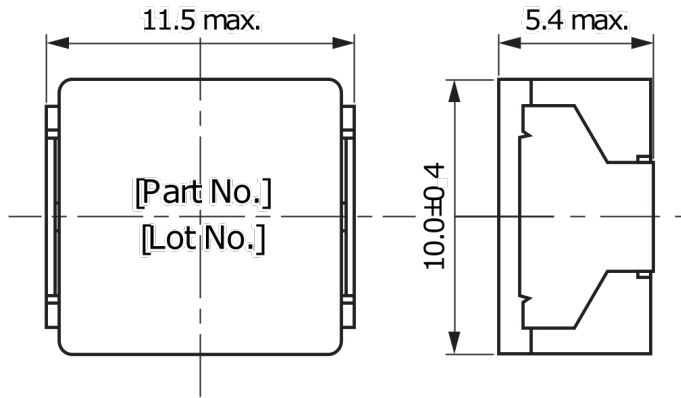


MPLCV1054L100

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