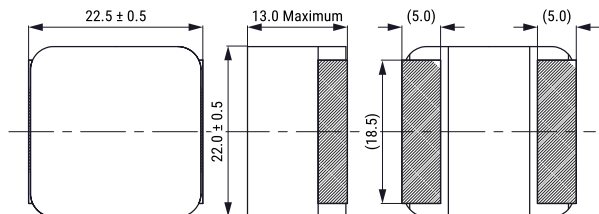


KEMET, MPXV, Power, 47 uH, 20%



Dimensions

Dimensions	
L	22.5mm +/-0.5mm
W	22mm +/-0.5mm
T	13mm MAX
LL	5mm NOM
G	18.5mm NOM

Packaging Specifications

Packaging:	T&R, 330mm
Packaging Quantity:	50

General Information

Series:	MPXV
Style:	SMD
Description:	Surface Mount Inductor
Features:	Power Inductors
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Core:	Composite
Miscellaneous:	40 (K) Temperature Rise Max.

Specifications

Inductance:	47 uH (100 KHz)
Inductance Tolerance:	20%
Temperature Range:	-55/+155°C
Shielded:	Yes
Current:	15.5 A (I _{rms} , 40C Rise By Self Heating), 13.5 A (I _{sat} , 20% Drop In Inductance), 19 A (I _{sat} , 30% Drop In Inductance)
DC Resistance:	20.5 mOhms
Self-Resonant Frequency:	2.5 MHz