

**KEMET Part Number: MPXV1D1054L470**  
(UPI2X11054V470)



KEMET, MPXV, Power, 47 uH, 20%, 1054(4340)

#### General Information

<b>Series:</b>	MPXV
<b>Style:</b>	SMD
<b>Chip Size:</b>	1054(4340)
<b>Description:</b>	Surface Mount Inductor
<b>Features:</b>	Power Inductors
<b>RoHS:</b>	Yes
<b>Qualifications:</b>	AEC-Q200
<b>AEC-Q200:</b>	Yes
<b>Core:</b>	Composite
<b>Miscellaneous:</b>	40 (K) Temperature Rise Max.

#### Dimensions

<b>L</b>	10.8mm +/-0.3mm
<b>W</b>	10mm +/-0.2mm
<b>T</b>	5.4mm MAX
<b>LL</b>	2.2mm NOM
<b>G</b>	4.7mm +/-0.3mm

#### Packaging Specifications

<b>Packaging:</b>	T&R, 330mm
<b>Packaging Quantity:</b>	500

#### Specifications

<b>Inductance:</b>	47 uH (100 KHz)
<b>Inductance Tolerance:</b>	20%
<b>Temperature Range:</b>	-55/+155°C
<b>Shielded:</b>	Yes
<b>Current:</b>	3.7 A (Irms, 40C Rise By Self Heating), 3.4 A (Isat, 20% Drop In Inductance), 4.6 A (Isat, 30% Drop In Inductance)
<b>DC Resistance:</b>	128.8 mOhms
<b>Self-Resonant Frequency:</b>	4 MHz

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