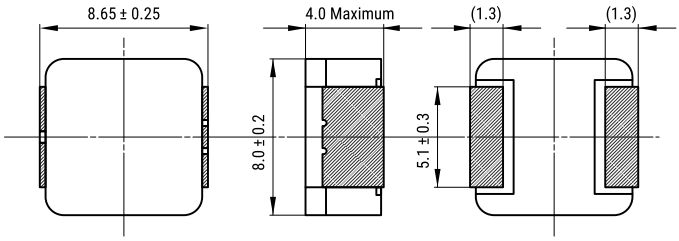
MPX1D0840L470

Aliases (UPI2X10840L470)

KEMET, MPX, Metal Composite, 20%, 47 uH



Click here for the 3D model.

General Information	
Series	MPX
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Miscellaneous	40 (K) Temperature Rise Max.

Dimensions	
L	8.65mm +/-0.25mm
W	8mm +/-0.2mm
T	4mm MAX
G	5.1mm +/-0.3mm

Packaging Specifications	
Typical Component Weight	1.45 g
Packaging	T&R, 330mm
Packaging Quantity	1000

Specifications	
Inductance	47 uH (0.1 MHz)
Inductance Tolerance	20%
Rated Current	2.8 A (Irms, 40C Rise By Self Heating)
Saturation Current	2.5 A (Isat, 20% Drop In Inductance), 3.5 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	226.7 mOhms
DC Resistance	226.7 mOhms
Self-Resonant Frequency	5.7 MHz

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.

© 2006 - 2026 YAGEO