





# MLF2012K470KT000

Applications	 Commercial Grade
Feature	 Multilayer
	 Magnetic Shield
	 Ferrite Core
Series	MLF Series / MLF2012 Type
Status	Production



Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

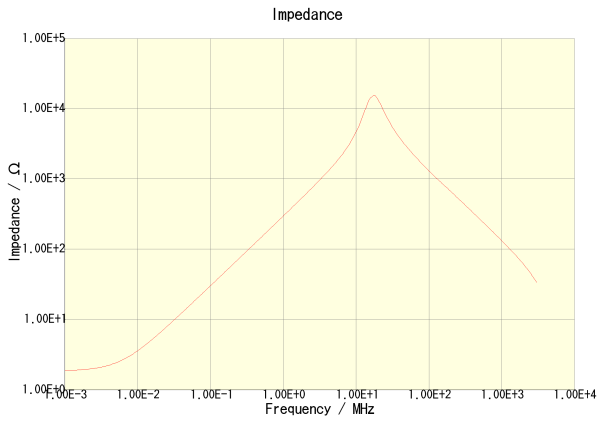
Electrical Characteristics	
Inductance	47uH +/-10% at 2MHz
Rated Current	4mA
Self-Resonant Frequency [Min.]	11MHz
Self-Resonant Frequency [Typ.]	20MHz
Q [Min.]	35 at 2MHz
Q [Typ.]	55 at 2MHz
DC Resistance [Nom.]	1.6Ω
DC Resistance [Max.]	2.7Ω

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.
Weight	0.014g

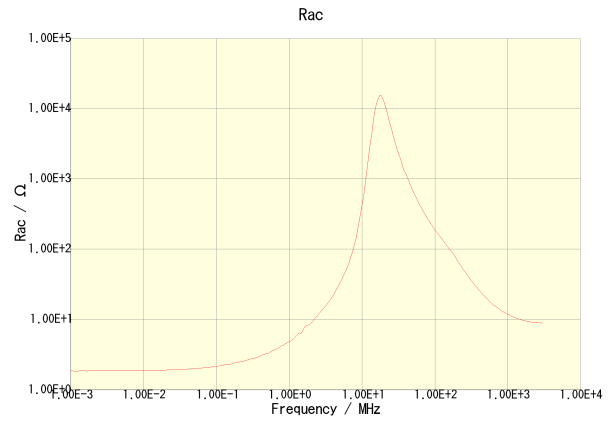
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

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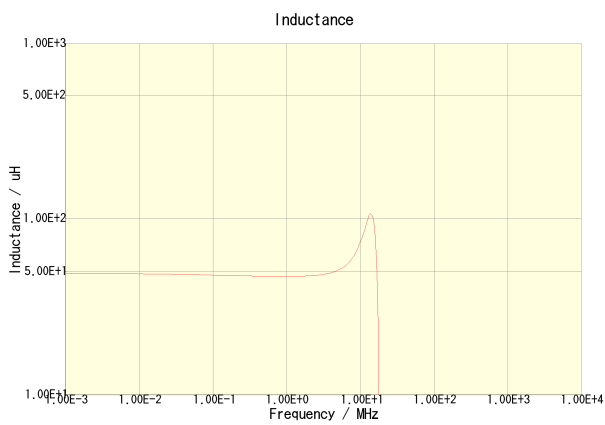
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



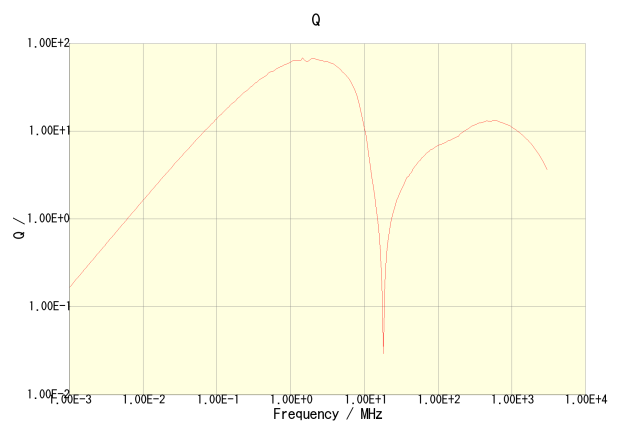
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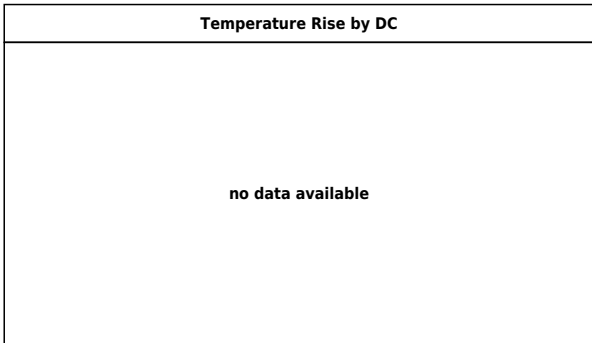
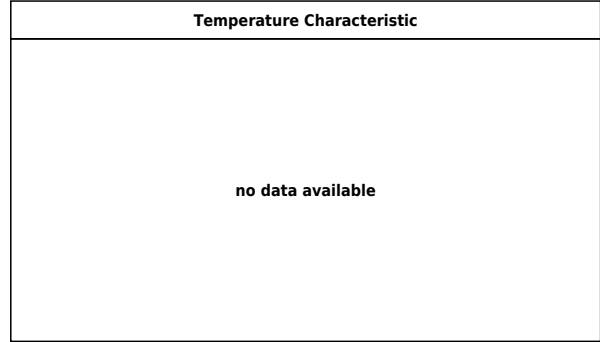
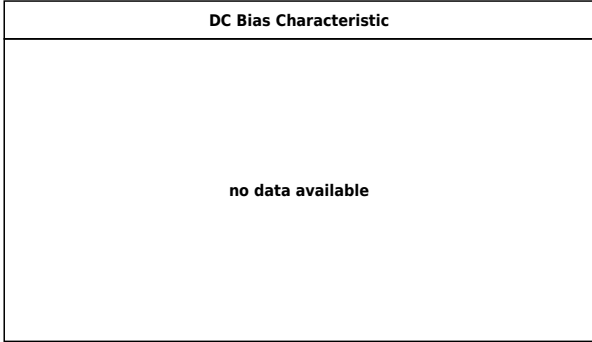


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