



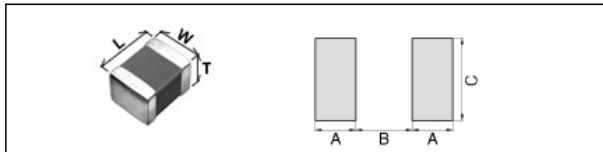


# MLF2012C270KT000

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



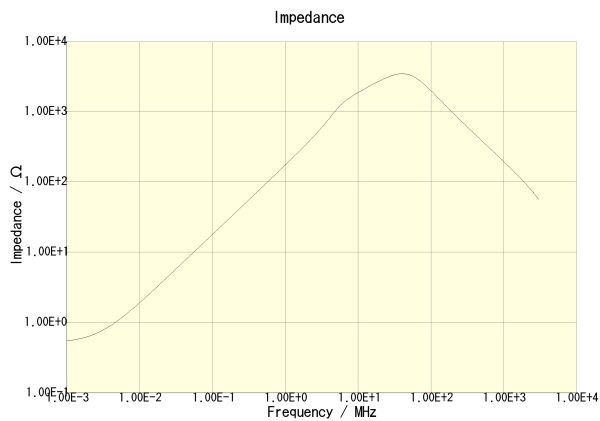
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	27uH +/-10% at 1MHz
Rated Current	5mA
Self-Resonant Frequency [Min.]	17MHz
Self-Resonant Frequency [Typ.]	33MHz
Q [Min.]	30 at 1MHz
Q [Typ.]	45 at 1MHz
DC Resistance [Nom.]	500mΩ
DC Resistance [Max.]	1Ω

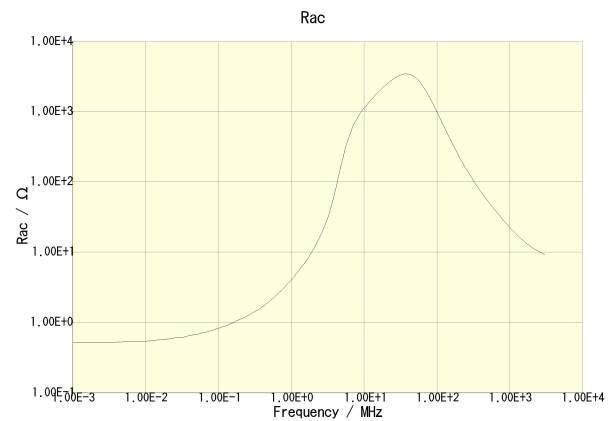
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.
Weight	0.014g

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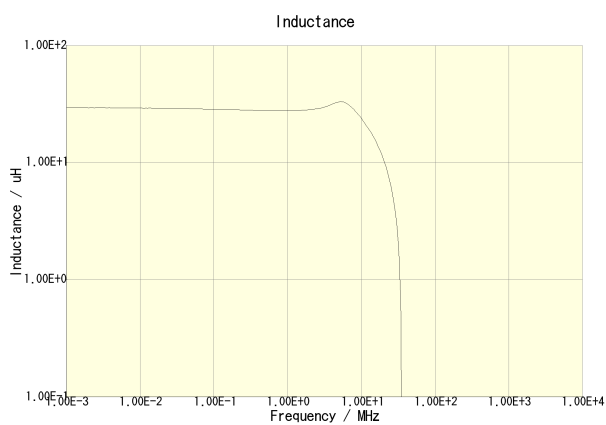
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



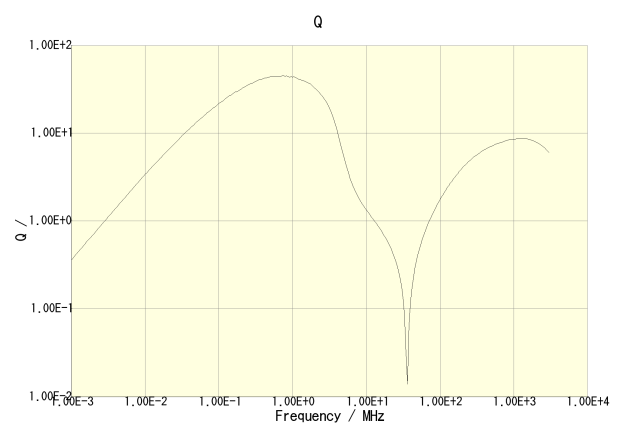
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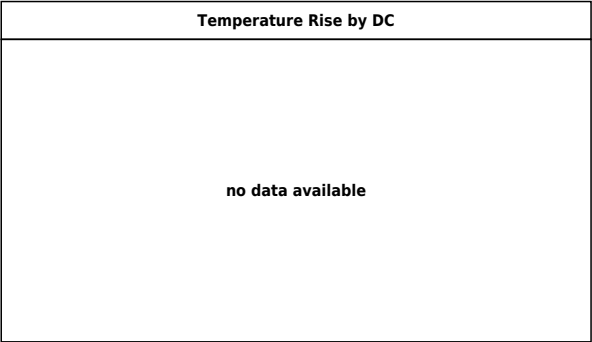
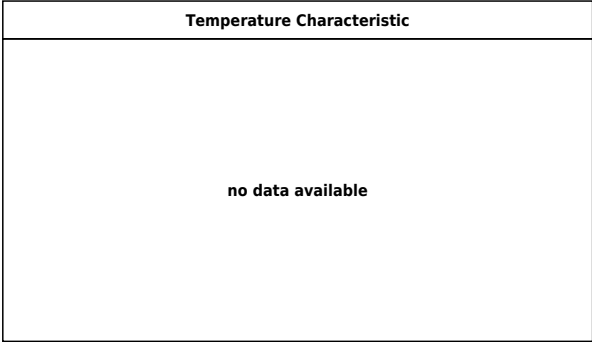
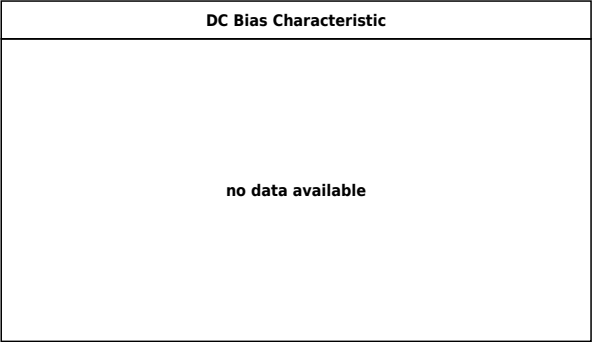
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•This PDF document was created based on the data listed on the TDK Corporation website.  
•All specifications are subject to change without notice.