

MLF2012C270KT000

Product Status	Production
Applications	Commercial Grade
Feature	No Directivity
	Multilayer
	Shield
Series   Type	MLF
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	2.00mm $\pm 0.20$ mm
Width(W)	1.25mm $\pm 0.20$ mm
Thickness   Height	1.25mm $\pm 0.20$ mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	27 $\mu$ H $\pm 10\%$ at 1MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	5mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	500m $\Omega$
DC Resistance [Max.]	1 $\Omega$
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	17MHz
Self Resonant Frequency [Typ.]	33MHz
Q [Min.]	30 at 1MHz
Q [Typ.]	45 at 1MHz

Other	
Operating Temp. Range	-40 to 85°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]

! Images are for reference only and show exemplary products.

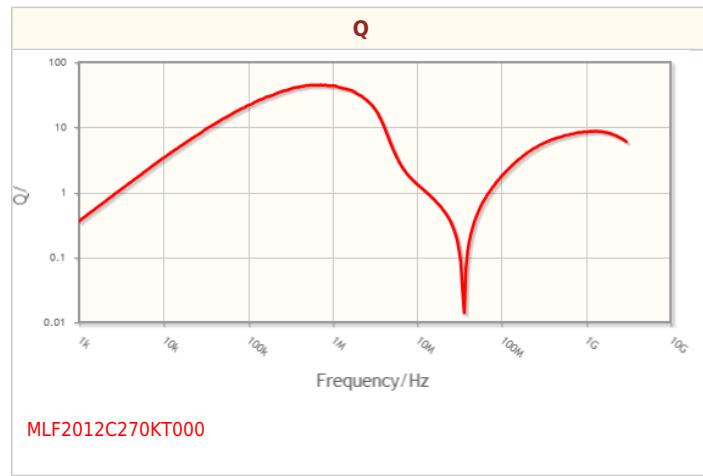
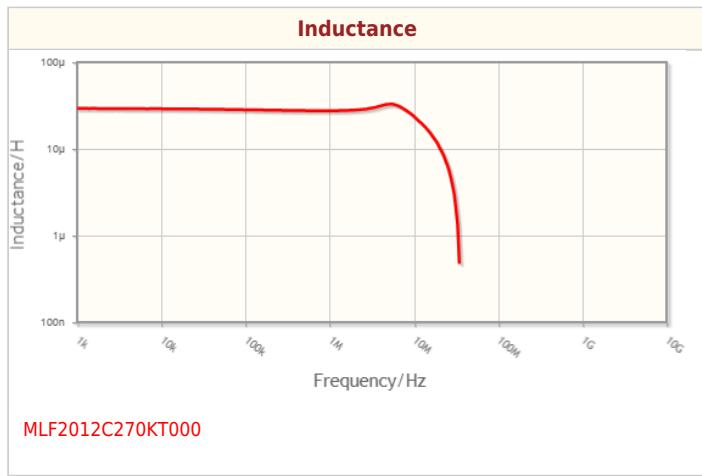
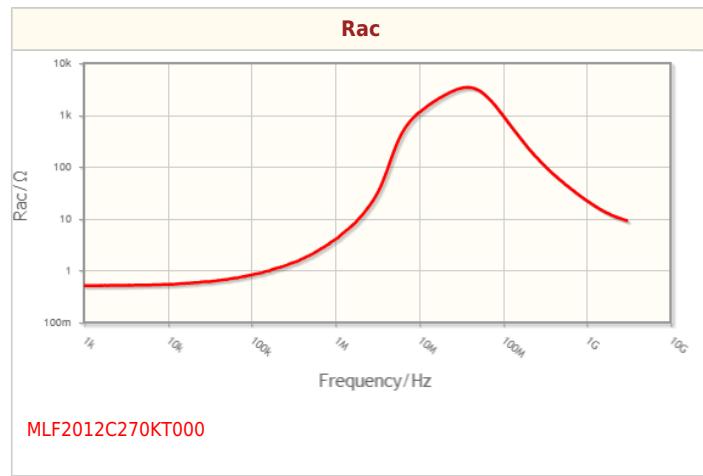
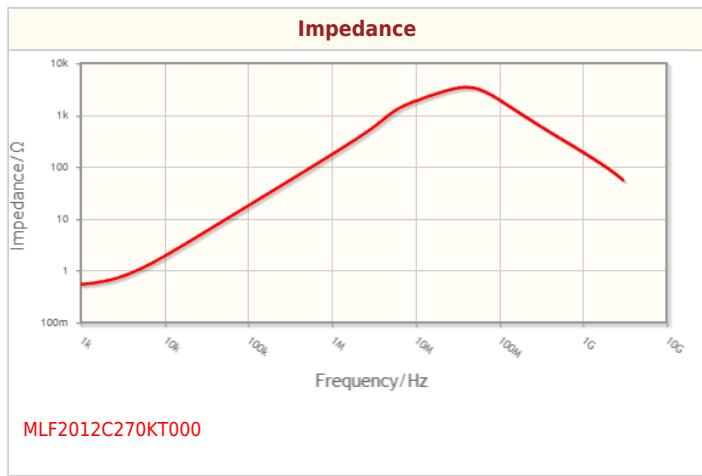
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! All specifications are subject to change without notice.

Package Quantity	2000pcs
Weight	0.014g

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



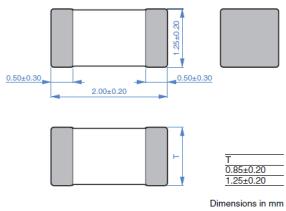
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## Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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