SMD / SMT Inductors (Coils)

MLF2012E6R8JT000

Product Status	Production
Applications	Commercial Grade
Feature	No DirectivityNo Directivity MultilayerMultilayer ShieldMagnetic Shield Ferrite CoreFerrite Core
Series | Type	MLF
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness | Height	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	6.8µH ±5% at 4MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	15mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	320mΩ
DC Resistance [Max.]	650mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	40MHz
Self Resonant Frequency [Typ.]	60MHz
Q [Min.]	50 at 4MHz
Q [Typ.]	75 at 4MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]

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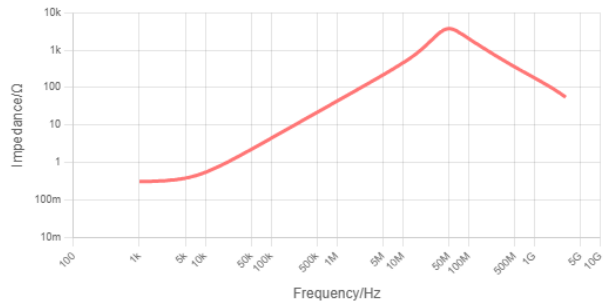
Package Quantity	2000pcs
Weight	0.014g
FIT (Failure In Time)	This will be displayed when you login to myTDK

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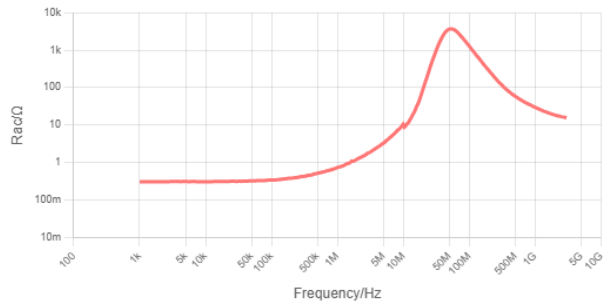
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



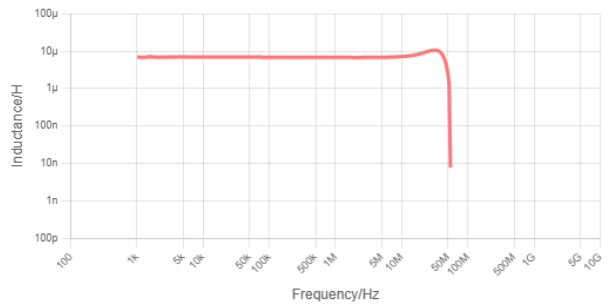
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Rac



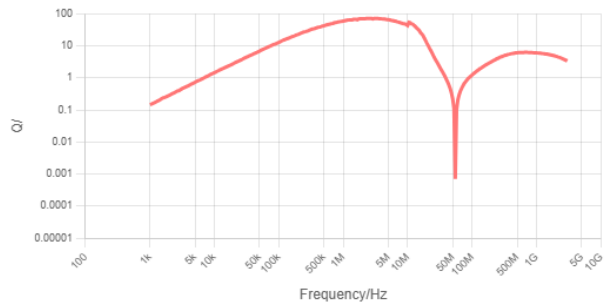
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Inductance



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Q



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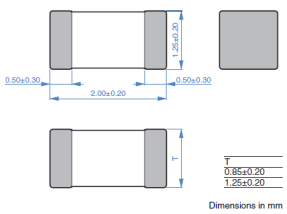
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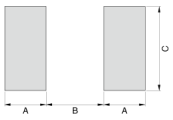
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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