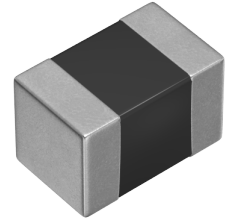


SMD / SMT Inductors (Coils)

MLF2012K470MTD25

RoHS Reach Halogen Free Pb Free

Applications	Automotive Grade
	AEC-Q200
	No Directivity
Feature	Multilayer
	Magnetic Shield
	Ferrite Core
Series Type	MLF
Status	Production
Brand	TDK


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	47µH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	4mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	1.6Ω
DC Resistance [Max.]	2.7Ω
Self Resonant Frequency [Min.]	11MHz
Self Resonant Frequency [Typ.]	20MHz
Q [Min.]	35 at 2MHz
Q [Typ.]	55 at 2MHz

Other

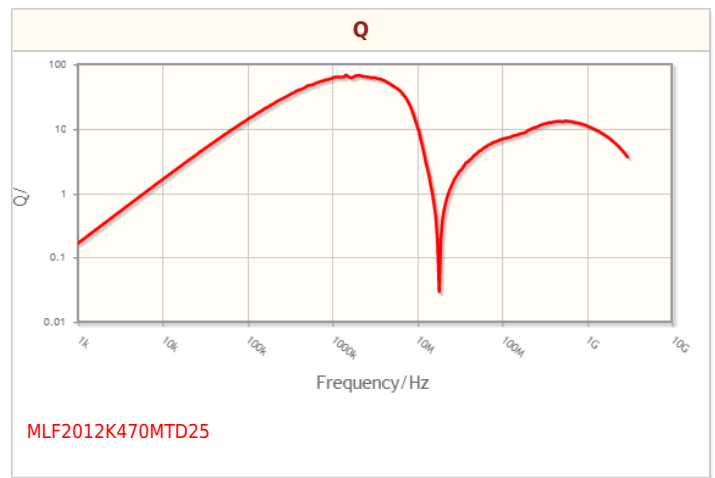
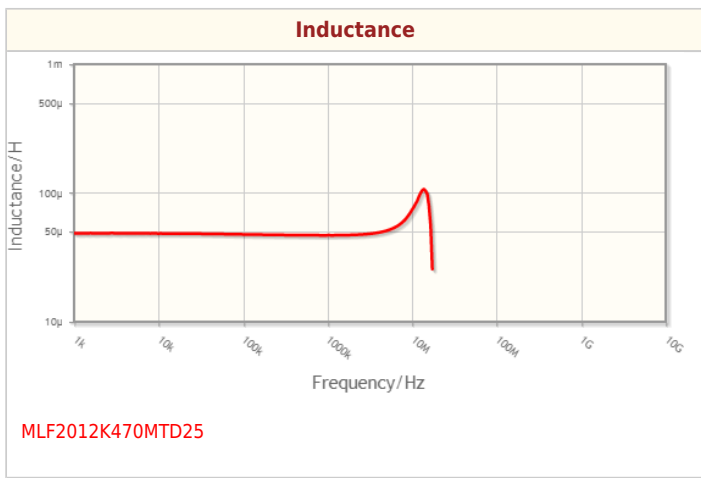
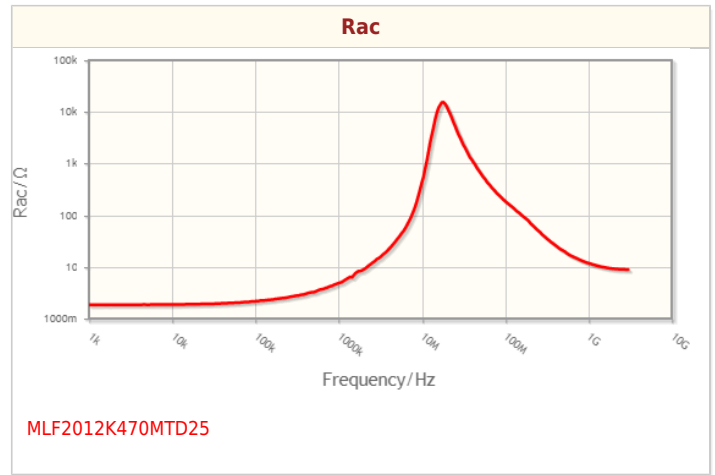
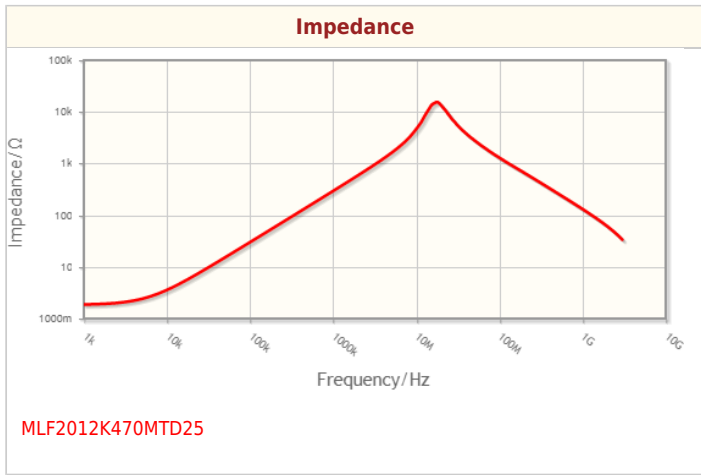
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g

! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

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



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Associated Images

