

MLF2012E120KTD25

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
	No Directivity
Feature	Multilayer
	Shield
	Ferrite Core
Series Type	MLF
Status	Production
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	2.00mm ± 0.20 mm
Width(W)	1.25mm ± 0.20 mm
Thickness Height	1.25mm ± 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	12 μ H $\pm 10\%$ at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	15mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	500m Ω
DC Resistance [Max.]	900m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	25MHz
Self Resonant Frequency [Typ.]	45MHz
Q [Min.]	50 at 2MHz
Q [Typ.]	75 at 2MHz

Other	
Operating Temp. Range	-55 to 125°C

! Images are for reference only and show exemplary products.

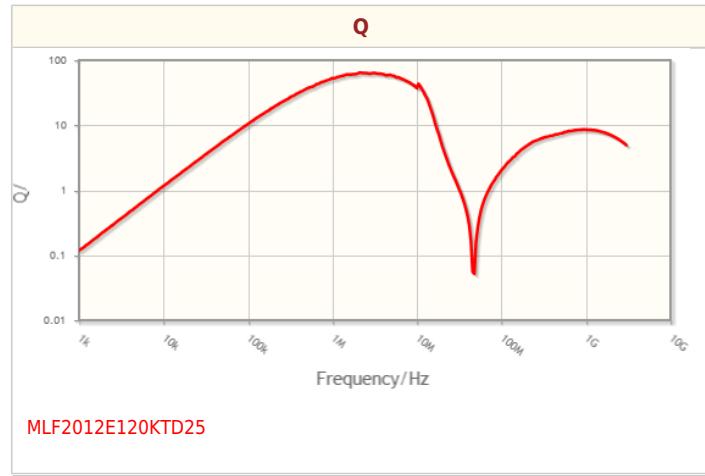
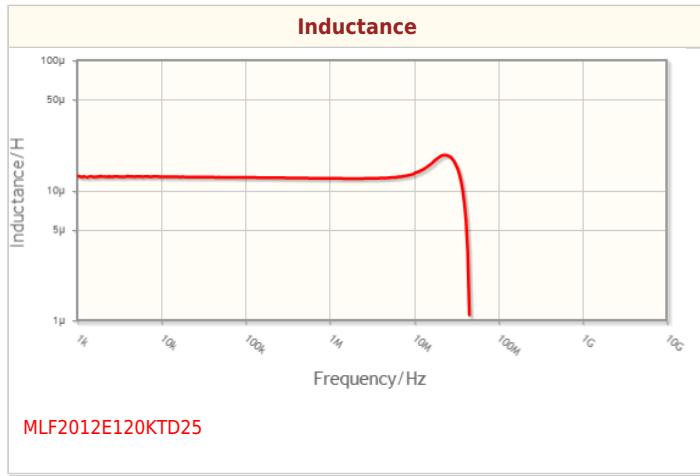
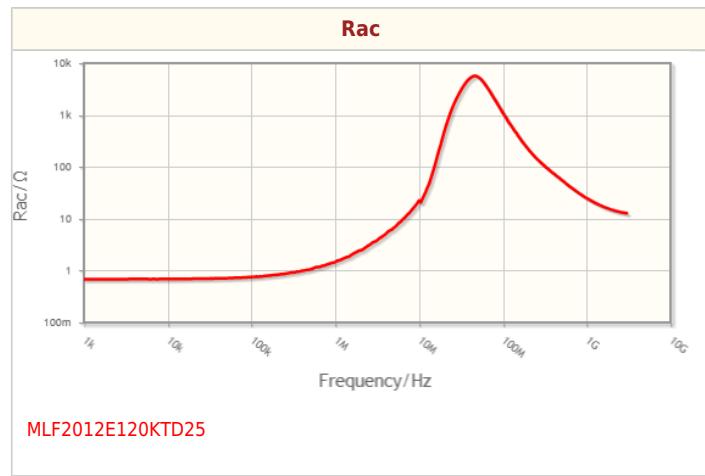
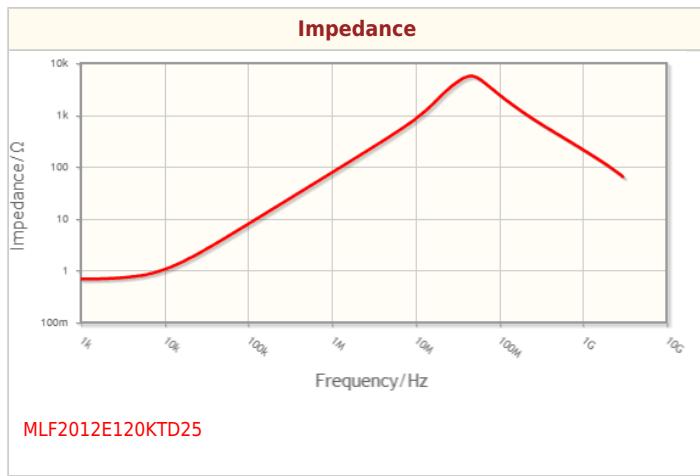
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g
FIT (Failure In Time)	Please contact us

! 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.)



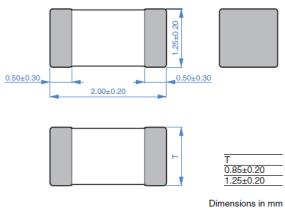
! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



! 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.