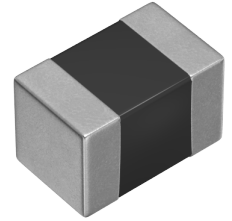


MLF2012C820KTD25



<b>Applications</b>	Automotive Grade
<b>Feature</b>	<div style="display: flex; flex-direction: column; gap: 5px;"> <div><span style="border: 1px solid green; padding: 2px;">Shield</span> Magnetic Shield</div> <div><span style="border: 1px solid red; padding: 2px;">Multilayer</span> Multilayer</div> <div><span style="border: 1px solid gray; padding: 2px;">Ferrite Core</span> Ferrite Core</div> <div><span style="border: 1px solid blue; padding: 2px;">AEC-Q200</span> AEC-Q200</div> </div>
<b>Series   Type</b>	MLF
<b>Status</b>	Production
<b>Brand</b>	TDK



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	82µH ±10% at 1MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	2mA
DC Resistance [Typ.]	2.4Ω
DC Resistance [Max.]	3Ω
Self Resonant Frequency [Min.]	8MHz
Self Resonant Frequency [Typ.]	14MHz
Q [Min.]	25
Q [Typ.]	45

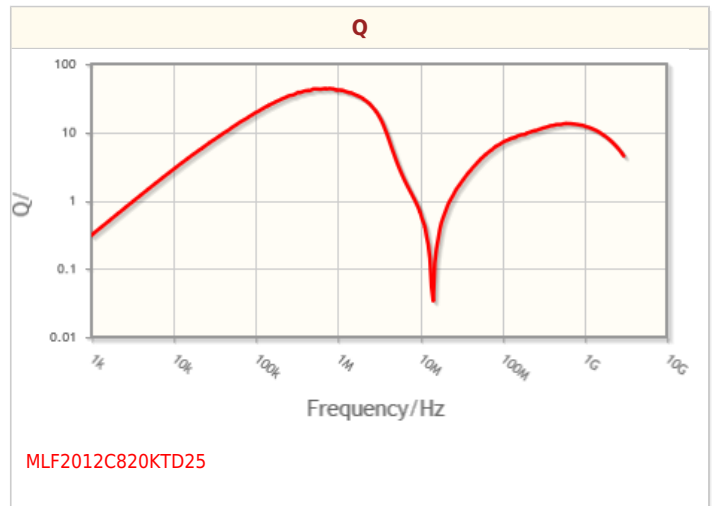
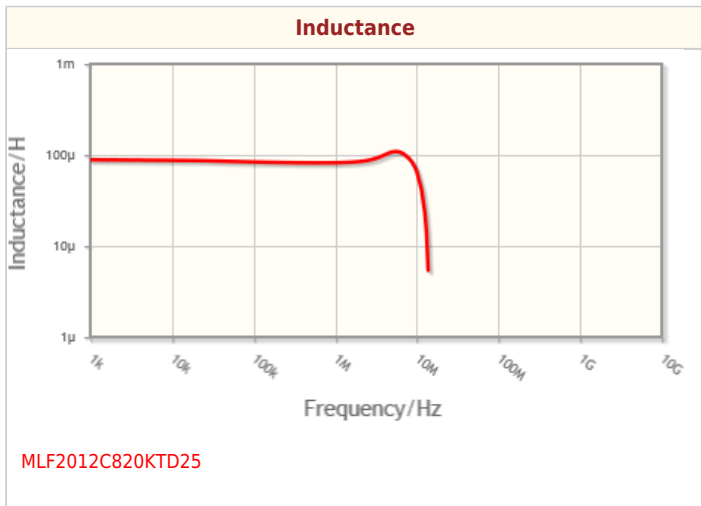
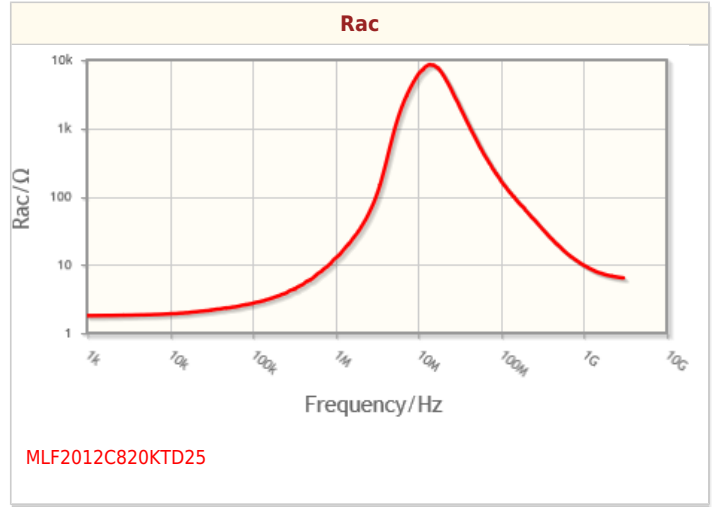
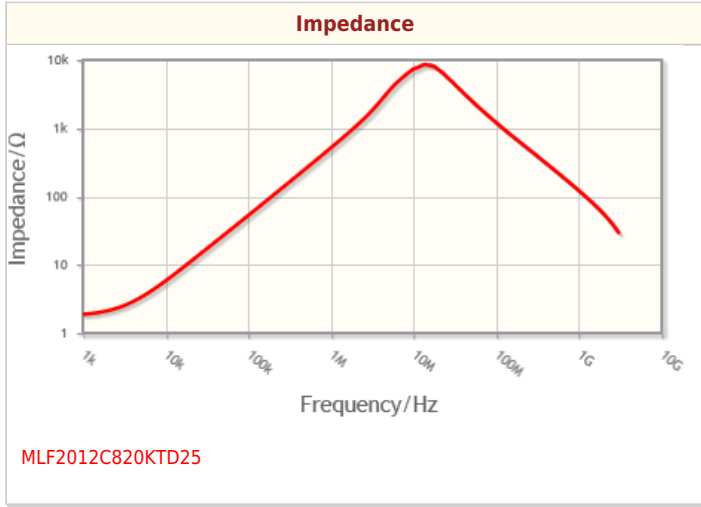
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g

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.

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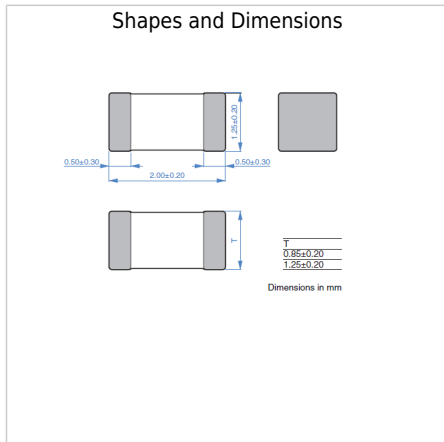
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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## Associated Images



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