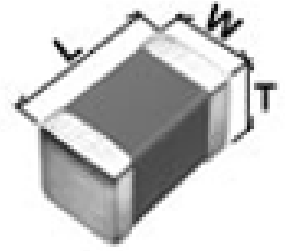


MLZ1005MR47WT000



Applications	Commercial Grade
Feature	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Shield</div> Magnetic Shield <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Multilayer</div> Multilayer <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Ferrite Core</div> Ferrite Core
Series Type	MLZ
Status	Production
Brand	TDK



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness(T)	0.50mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	470nH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	120mA (50% Down)
Rated Current (Temperature Rise) [Typ.]	500mA (20°C Rise)
Rated Current (Temperature Rise) [Max.]	120mA (20°C Rise)
DC Resistance [Typ.]	200mΩ
DC Resistance [Max.]	260mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

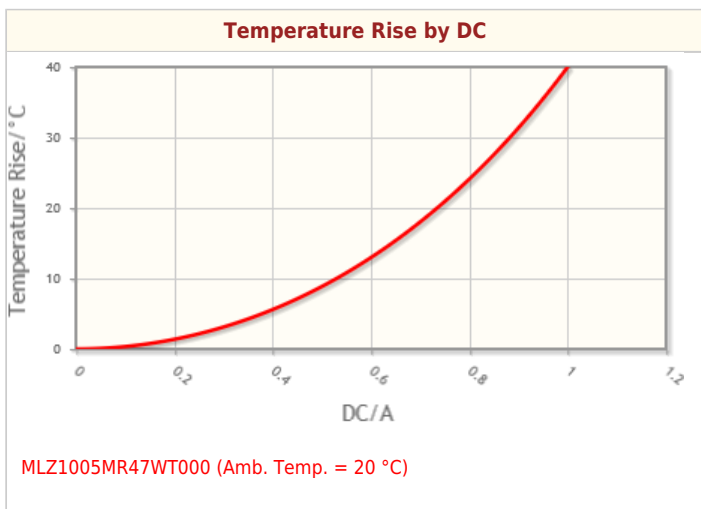
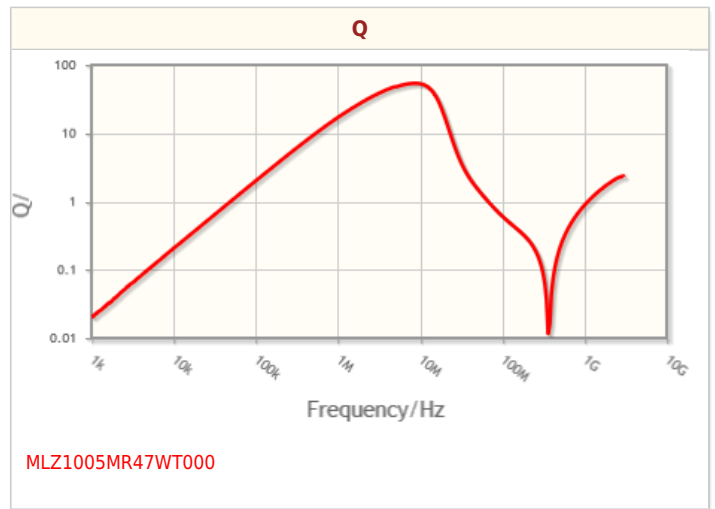
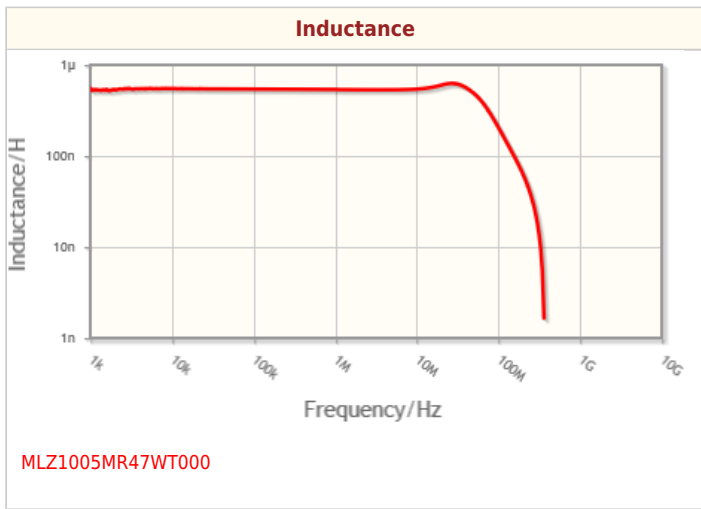
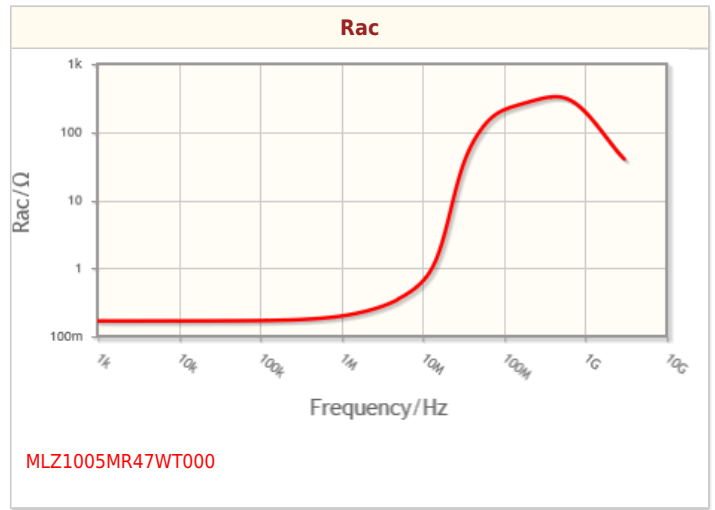
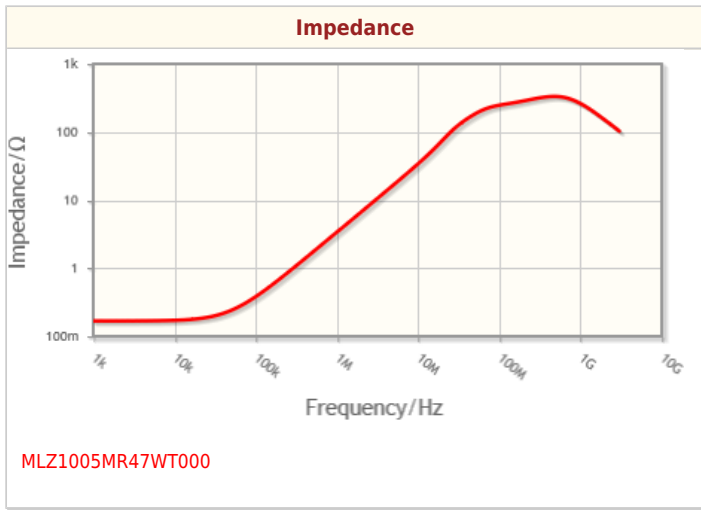
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.0012g

! 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.

MLZ1005MR47WT000



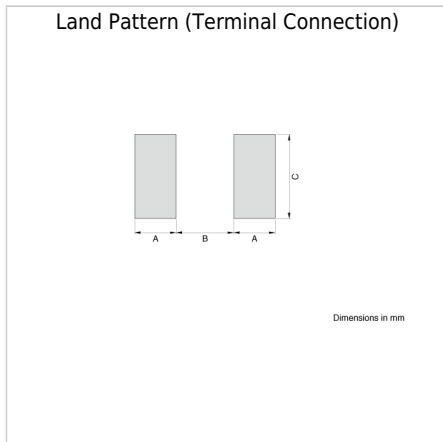
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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Associated Images



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