

MLP2016HR47MT0S1



Applications



Commercial Grade

Feature

Multilayer

Multilayer

Ferrite Core

Ferrite Core

Shield

Magnetic Shield

Series

MLP

Status



Production



Size

Length(L)	2.00mm +/-0.20mm
Width(W)	1.60mm +/-0.20mm
Thickness(T)	0.85mm +/-0.15mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.60mm Nom.

Electrical Characteristics

Inductance	470nH +/-20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	1.7A (40°C Rise)
DC Resistance [Nom.]	55mΩ
DC Resistance [Max.]	68.75mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	3000pcs
Weight	0.012g

! Images are for reference only and show exemplary products.

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

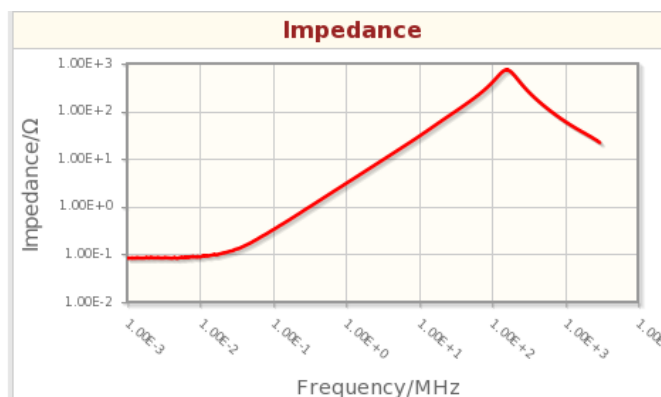
! All specifications are subject to change without notice.

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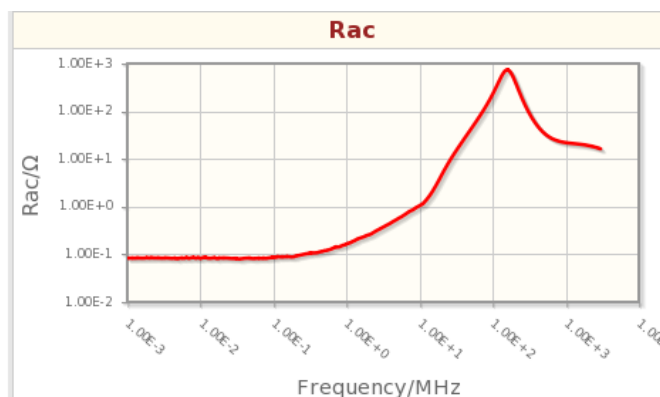
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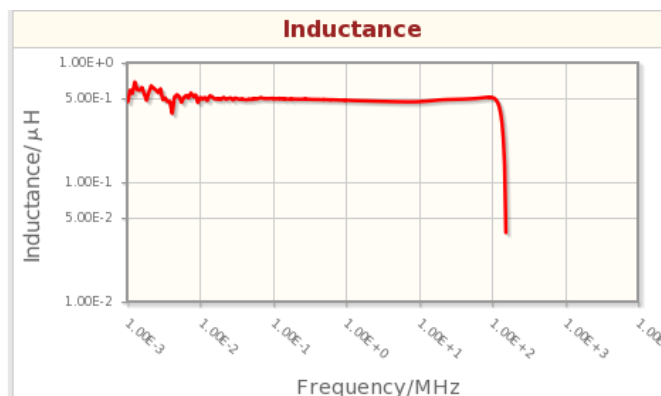
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



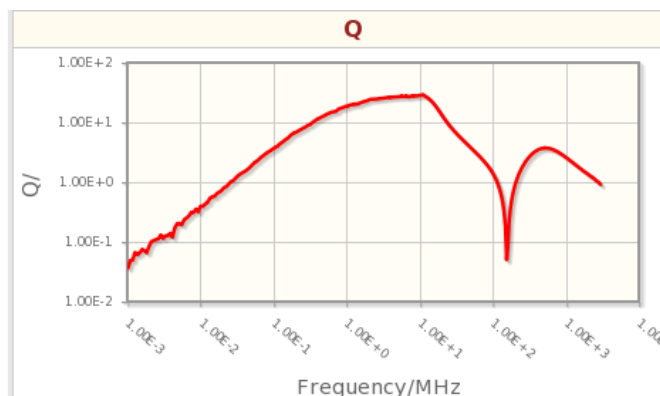
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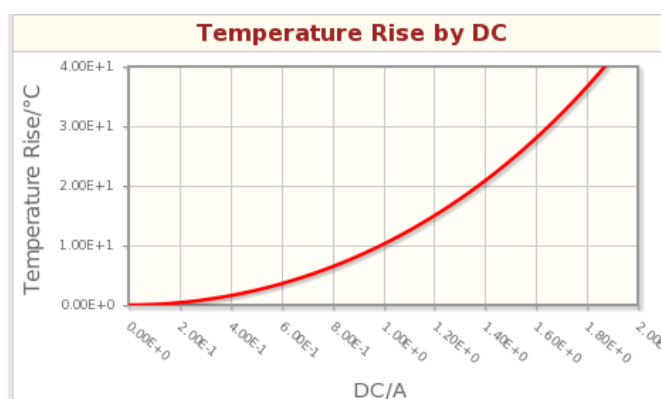
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MLP2016HR47MT0S1(Amb. Temp. = 20 $^{\circ}\text{C}$)



Associated Images

