

## Inductors (Coils)

## MLK1005S47NJT000

<b>Applications</b>	Commercial Grade
<b>Feature</b>	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="background-color: #e0e0e0; padding: 2px;">No Directivity</div> <div style="background-color: #e0e0e0; padding: 2px;">Multilayer</div> <div style="background-color: #e0e0e0; padding: 2px;">Non-Mag Core</div> <div style="background-color: #e0e0e0; padding: 2px;">High SRF</div> </div>
<b>Series   Type</b>	MLK
<b>Status</b>	Production (Not Recommended for New Design) Recommended Alternate Part No. : <a href="#">MLG1005S47NJT000</a> (Interchangeability is not guaranteed.)
<b>Brand</b>	TDK

Size	
Length(L)	1.00mm ±0.10mm
Width(W)	0.50mm ±0.10mm
Thickness   Height	0.50mm ±0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	47nH ±5% at 100MHz
Rated Current	200mA
DC Resistance [Typ.]	740mΩ
DC Resistance [Max.]	1.2Ω
Self Resonant Frequency [Min.]	1.8GHz
Self Resonant Frequency [Typ.]	3GHz
Q [Min.]	6 at 100MHz
Q [Typ.]	9 at 100MHz

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	0.001g

! Images are for reference only and show exemplary products.

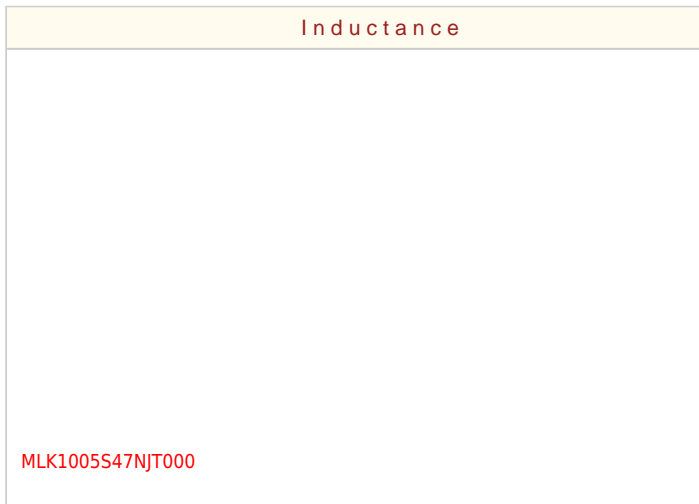
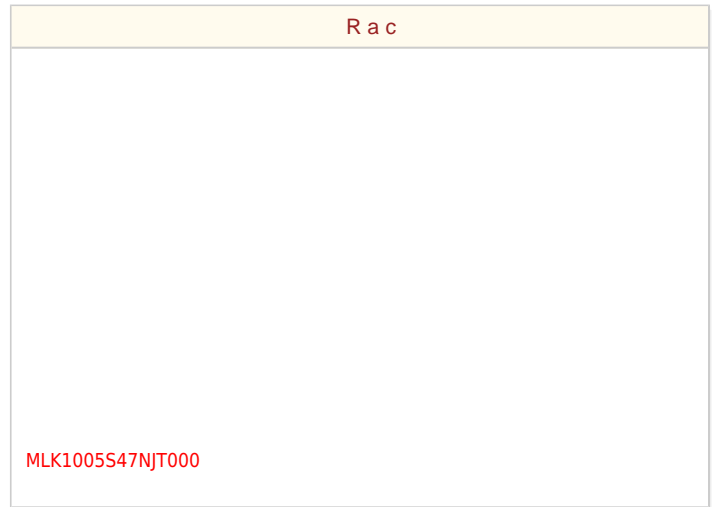
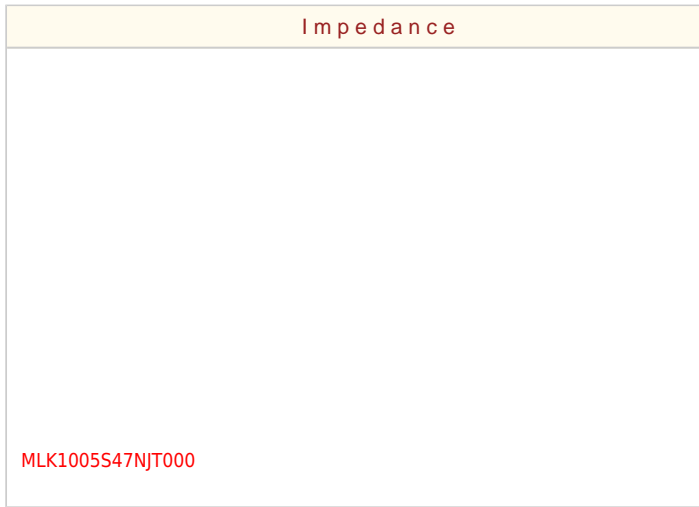
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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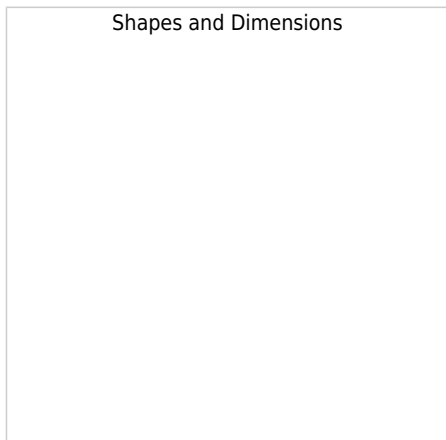
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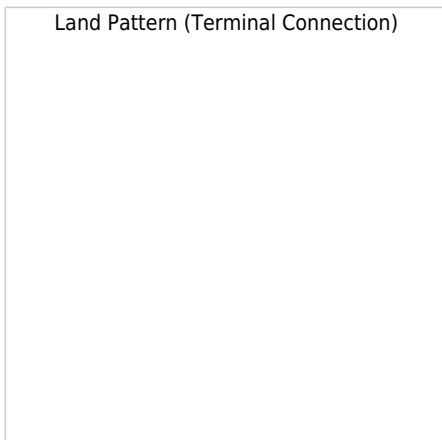
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## Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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