## SMD / SMT Inductors (Coils) MLK1005SR10JTD25

Applications	Automotive Grade	
Feature	AEC-Q200 AEC-Q200	
	No Directivity No Directivity	
	Multilayer Multilayer	
	Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)	
	High Self Resonant Frequency	
Series   Type	MLK	
Status	A EOL announced	
	Recommended Alternate Part No. : <u>MLG1005SR10JTD25</u> (Interchangeability is not	
	guaranteed.)	
	Discontinue Issue Date : May.24, 2021	
	Last Purchase Order Date : Mar.31, 2026	
	Last Shipment Date : Jun.30, 2026	
Brand	ток	

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	100nH ±5% at 100MHz		
Rated Current	100mA		
DC Resistance [Typ.]	1.6Ω		
DC Resistance [Max.]	2.2Ω		
Self Resonant Frequency [Min.]	1.1GHz		
Self Resonant Frequency [Typ.]	1.9GHz		
Q [Min.]	6 at 100MHz		
Q [Typ.]	8 at 100MHz		

Other		
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C	
Coldering Method	Reflow	
Soldering Method	Iron Soldering	
AEC-Q200	YES	
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]	
Package Quantity rence only and show exemplary products.	10000pcs	
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10n

1.00g

MLK1005SR10JTD25

5004

100

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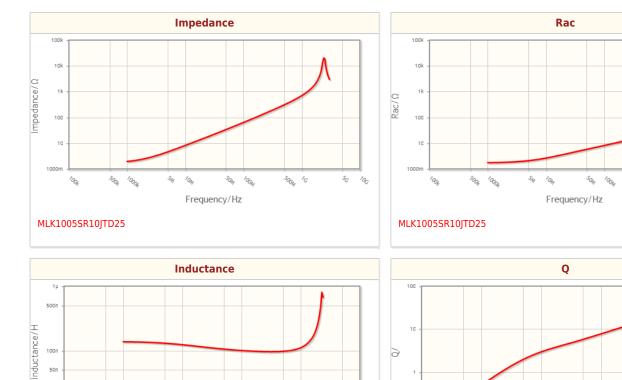
500<sub>14</sub>

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500m

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



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MLK1005SR10JTD25

500

Sizy

104

SQ4

Frequency/Hz

100m

! Images are for reference only and show exemplary products.

S<sub>M</sub>

104

SQy

Frequency/Hz

100%

500M 'n S<sub>C</sub>

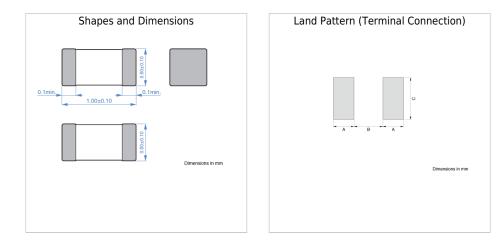
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## Associated Images



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