SMD / SMT Inductors (Coils) MLG0603S1N1CTD25

Applications	Automotive Grade	
Feature	AEC-Q200 AEC-Q200 Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)	
Series Type	MLG	
Status	Production	
Brand	ТДК	

Size		
Length(L)	0.60mm ±0.03mm	
Width(W)	0.30mm ±0.03mm	
Thickness Height	0.30mm ±0.03mm	
Recommended Land Pattern (A)	0.25mm Nom.	
Recommended Land Pattern (B)	0.30mm Nom.	
Recommended Land Pattern (C)	0.30mm Nom.	

Electrical Characteristics		
Inductance	1.1nH ±0.2nH at 100MHz	
Rated Current	550mA	
DC Resistance [Typ.]	40mΩ	
DC Resistance [Max.]	150mΩ	
Self Resonant Frequency [Min.]	10GHz	
Self Resonant Frequency [Typ.]	13.6GHz	
Q [Min.]	4 at 100MHz	
Q [Typ.]		

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	15000pcs	
Weight	0.0002g	

! Images are for reference only and show exemplary products.

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! All specifications are subject to change without notice.

100p

1904

MLG0603S1N1CTD25

5004

100

S_M

104

S_C

SOM

Frequency/Hz

100m

Szy

104

500M

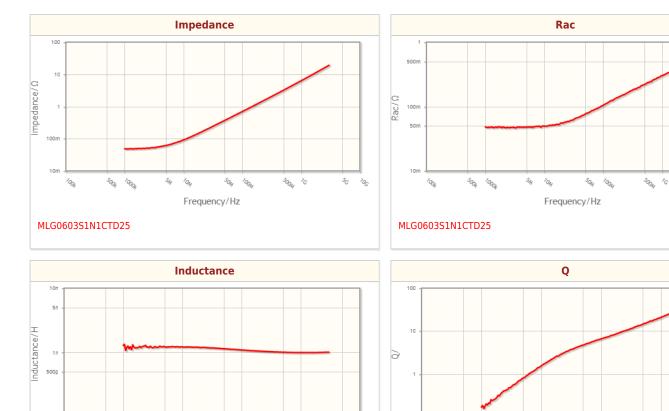
~G

S_G

 \mathcal{C}

190

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



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SOM

Frequency/Hz

1004

500m 10

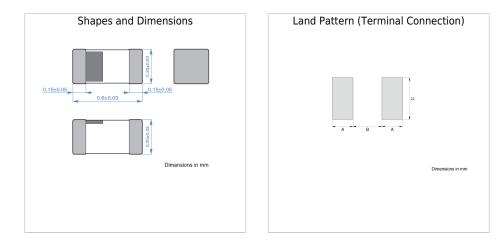
S_C

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RoHS Reach Halogen Free Pb Free

Associated Images



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