⏚TDK

SMD / SMT Inductors (Coils)

MLK0603L3N3ST000

RoHS Reach Halogen Free Pb Free

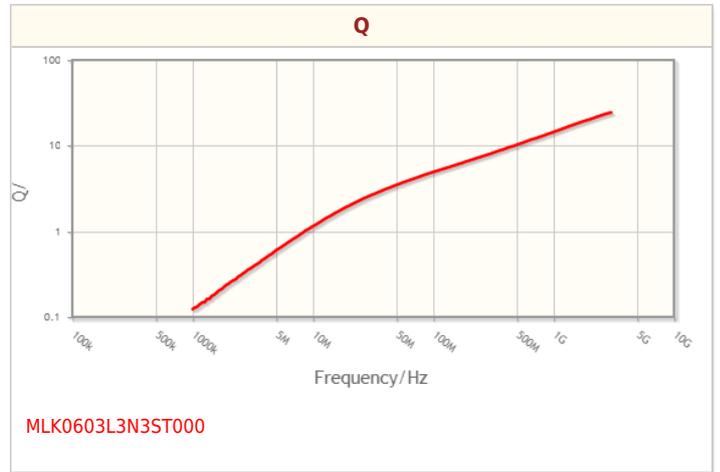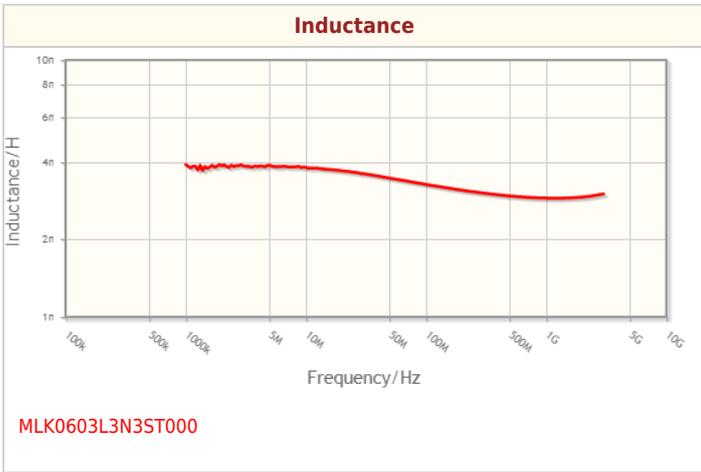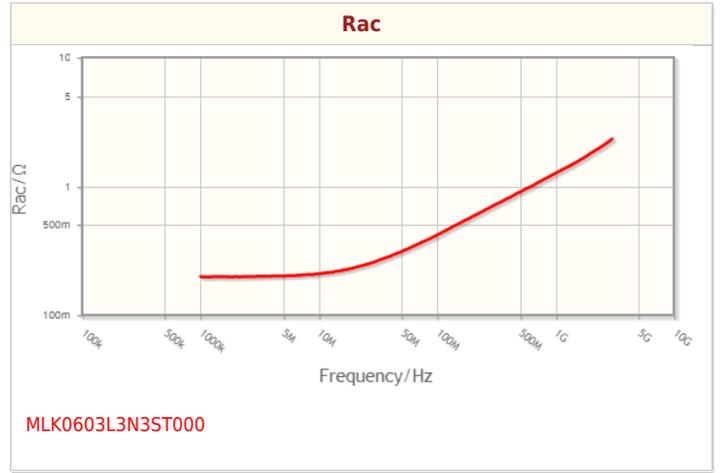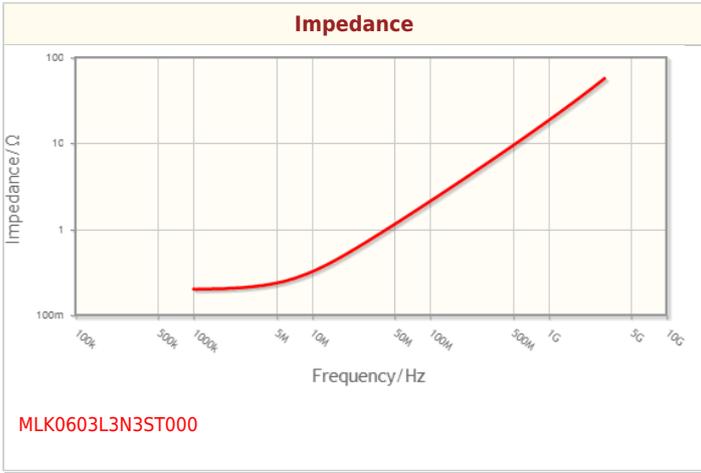|	
Applications	Commercial Grade
Feature	No Directivity No Directivity
	Multilayer Multilayer
	Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)
	High Self Resonant Frequency
Series | Type	MLK
Status	⚠ EOL announced
	Recommended Alternate Part No. : MLG0603S3N3ST000 (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.24, 2021
	Last Purchase Order Date : Mar.31, 2026
	Last Shipment Date : Jun.30, 2026
Brand	TDK

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	3.3nH ±0.3nH at 100MHz
Rated Current	200mA
DC Resistance [Typ.]	220mΩ
DC Resistance [Max.]	400mΩ
Self Resonant Frequency [Min.]	8GHz
Self Resonant Frequency [Typ.]	10.5GHz
Q [Min.]	6 at 300MHz
Q [Typ.]	8 at 300MHz

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, Tape width 8mm]
Package Quantity	15000pcs
Weight	0.0002g

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

Impedance

MLK0603L3N3ST000

Rac

MLK0603L3N3ST000

Inductance

MLK0603L3N3ST000

Q

MLK0603L3N3ST000

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Associated Images

Shapes and Dimensions

0.30±0.03

0.15±0.05   0.15±0.05

0.6±0.03

0.30±0.03

Dimensions in mm

Land Pattern (Terminal Connection)

C

A   B   A

Dimensions in mm

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