

Product Status	Production
Applications	Commercial Grade
Feature	Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic) High Q
Series   Type	MLG-Q
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	0.40mm $\pm$ 0.02mm
Width(W)	0.20mm $\pm$ 0.02mm
Thickness   Height	0.20mm $\pm$ 0.02mm
Recommended Land Pattern (A)	0.15mm to 0.20mm
Recommended Land Pattern (B)	0.20mm Nom.
Recommended Land Pattern (C)	0.18mm to 0.20mm

Electrical Characteristics	
Inductance	1.9nH $\pm$ 0.1nH at 100MHz
Rated Current	200mA
DC Resistance [Typ.]	270m $\Omega$
DC Resistance [Max.]	600m $\Omega$
Self Resonant Frequency [Min.]	9GHz
Self Resonant Frequency [Typ.]	12.2GHz
Q [Min.]	2 at 100MHz
Q [Typ.]	4 at 100MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	20000pcs
Weight	0.00007g

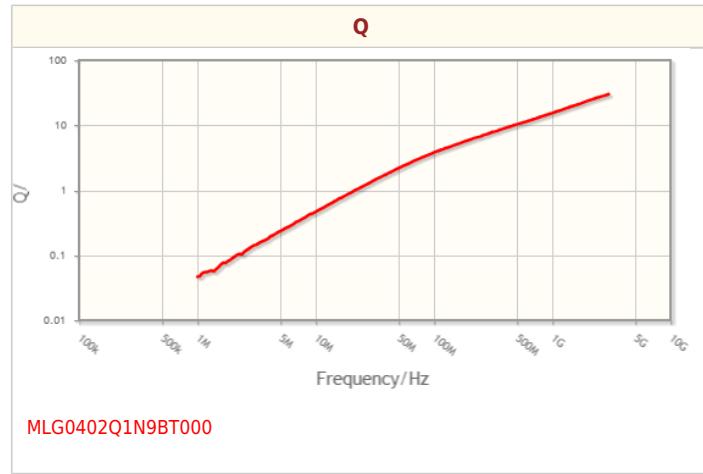
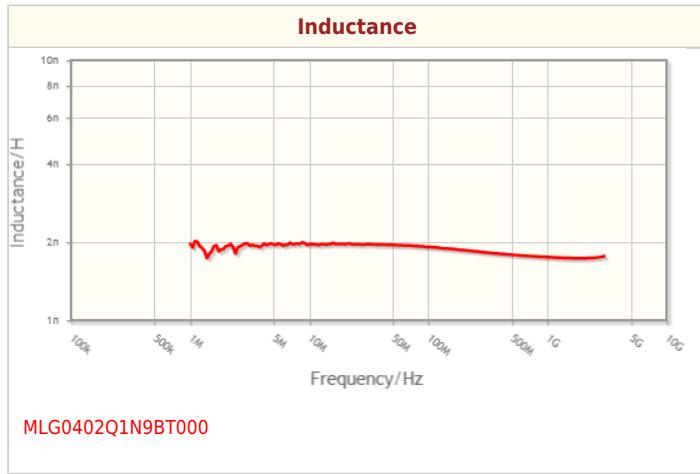
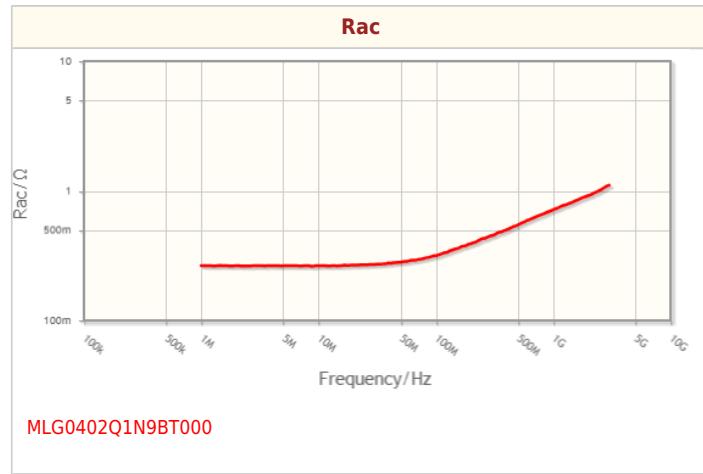
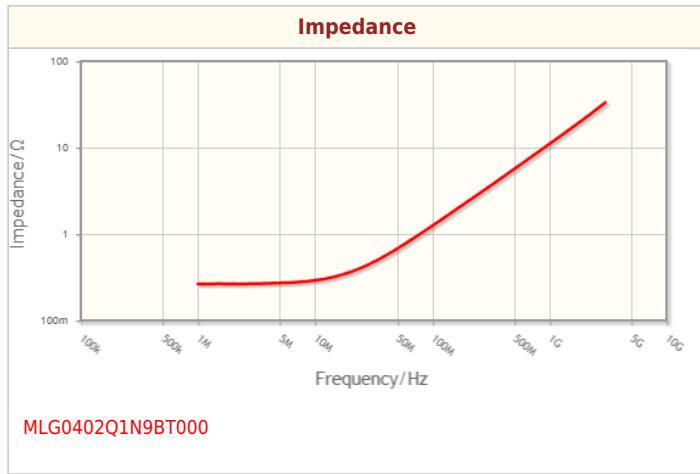
! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.

MLG0402Q1N9BT000

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

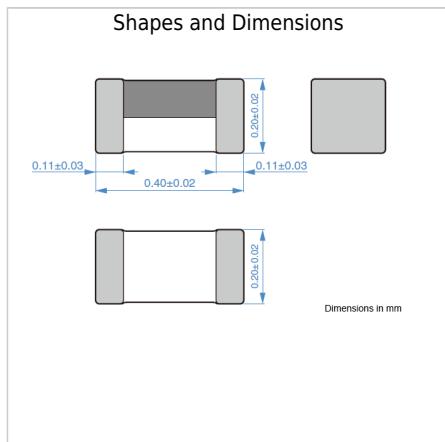


! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.

## Associated Images



! 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.