

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
Feature	Multilayer
	Non-Mag Core
	Non-Magnetic Core (Dielectric Ceramic)
	High Q
Series   Type	MLG-P
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



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

Electrical Characteristics	
Inductance	47nH $\pm 3\%$ at 300MHz
Rated Current	110mA
DC Resistance [Typ.]	2.18 $\Omega$
DC Resistance [Max.]	2.9 $\Omega$
Self Resonant Frequency [Min.]	1.6GHz
Self Resonant Frequency [Typ.]	2GHz
Q [Min.]	10 at 300MHz
Q [Typ.]	12 at 300MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	15000pcs
Weight	0.0002g

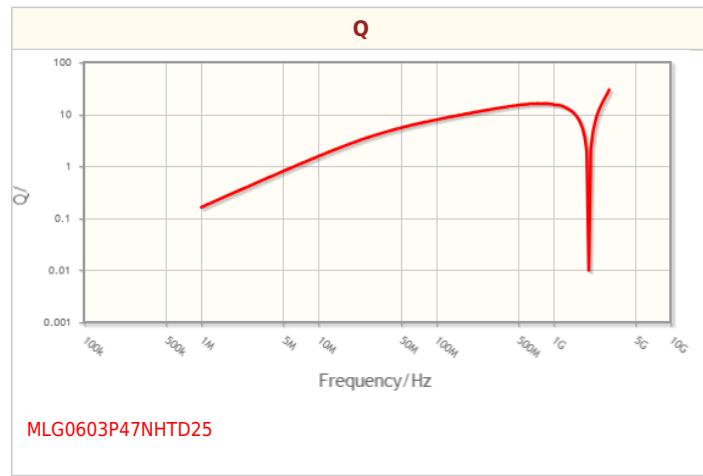
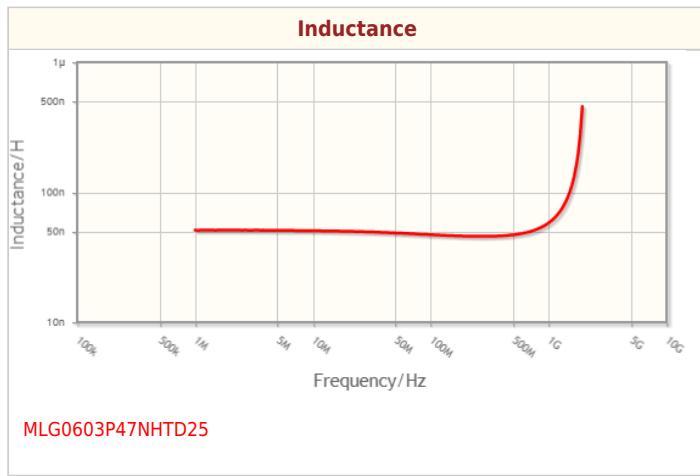
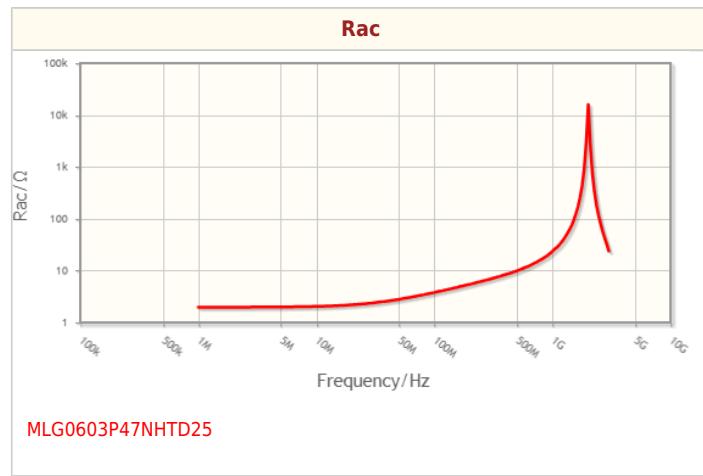
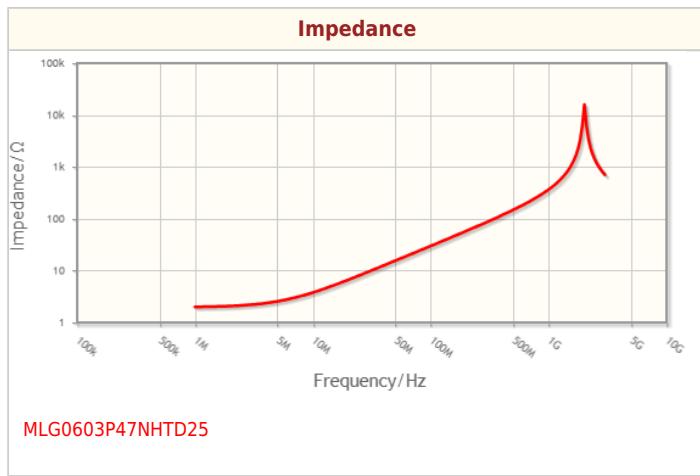
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MLG0603P47NHTD25

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

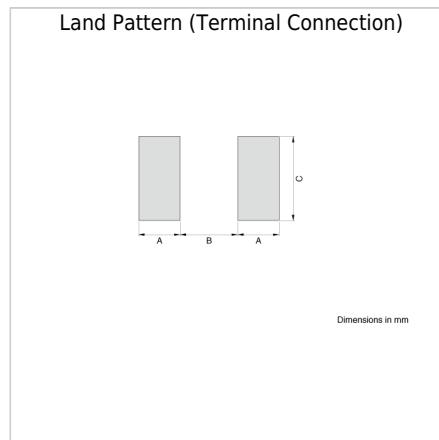
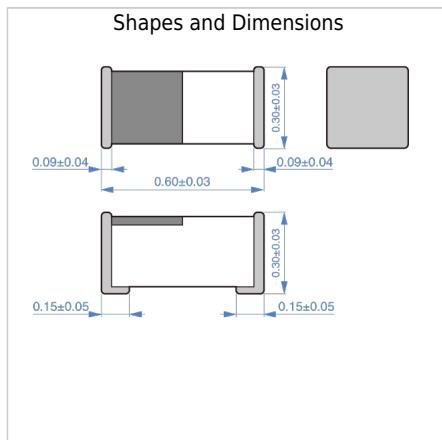


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## Associated Images



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