## **<b>&TDK** SMD / SMT Inductors (Coils) MHQ0603P1N2BTD25

Applications	Automotive Grade	
Feature	AEC-Q200 AEC-Q200 Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic) Super High Q Super High Q	
Series   Type	MHQ-P	
Status	Production	
Brand	ТДК	

Size		
Length(L)	0.65mm ±0.05mm	
Width(W)	0.35mm ±0.05mm	
Thickness   Height	0.35mm ±0.05mm	
Recommended Land Pattern (A)	0.25mm Nom.	
Recommended Land Pattern (B)	0.30mm Nom.	
Recommended Land Pattern (C)	0.30mm Nom.	

Electrical Characteristics		
Inductance	1.2nH ±0.1nH at 500MHz	
Rated Current	1A	
DC Resistance [Typ.]	40mΩ	
DC Resistance [Max.]	80mΩ	
Self Resonant Frequency [Min.]	10GHz	
Self Resonant Frequency [Typ.]	20GHz	
Q [Min.]		
Q [Typ.]		

Other		
Operating Temp. Range (Including Self-Temp. Rise)	-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	

! 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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 $q_{i}$ 

MHQ0603P1N2BTD25

ľG

SOOM

SOM,

Frequency/Hz

 $Q_{0}$ 

'n

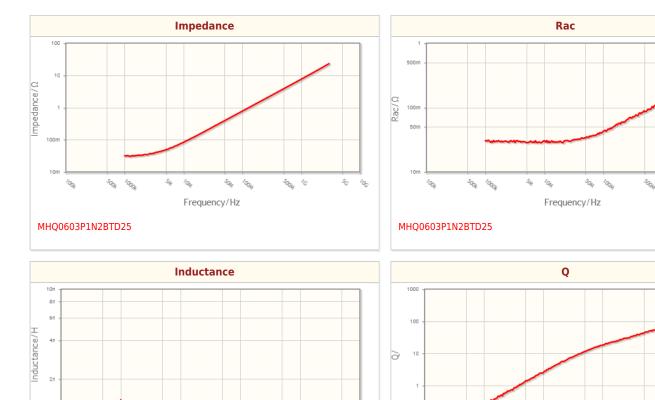
S<sub>C</sub>

Iq.

S<sub>C</sub>

19

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



SOOM

'G

S<sub>C</sub>

SOM

Frequency/Hz

100%

104

0.1

MHQ0603P1N2BTD25

See.

IQ1

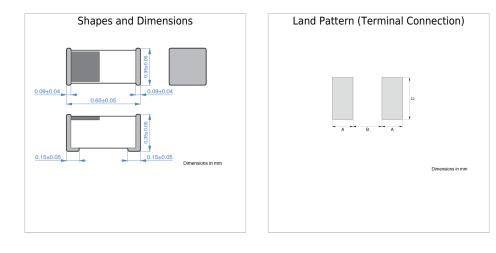
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RoHS Reach Halogen Free Pb Free

## Associated Images



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