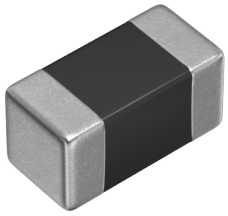
Creation Date : September 29, 2020 (GMT)

Inductors (Coils)

MLJ1005WR14KT000

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

Applications	Commercial Grade
Feature	Shield Magnetic Shield Multilayer Multilayer Ferrite Core Ferrite Core
Series | Type	ML□
Status	Production
Brand	TDK



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness | Height	0.50mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	140nH ±10% at 25MHz
Rated Current (L Change) [Typ.]	450mA (10% Down)
Rated Current (L Change) [Max.]	380mA (10% Down)
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	450mA (25°C Rise)
DC Resistance [Typ.]	400mΩ
DC Resistance [Max.]	450mΩ
Self Resonant Frequency [Min.]	400MHz
Self Resonant Frequency [Typ.]	650MHz
Q [Min.]	15
Q [Typ.]	30

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]
Package Quantity	10000pcs
Weight	0.0012g

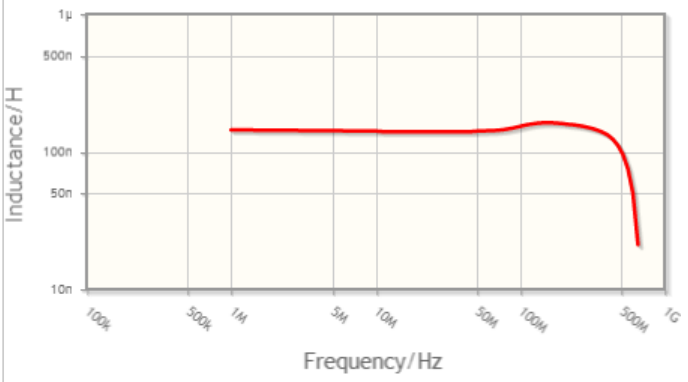
! Images are for reference only and show exemplary products.
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MLJ1005WR14KT000

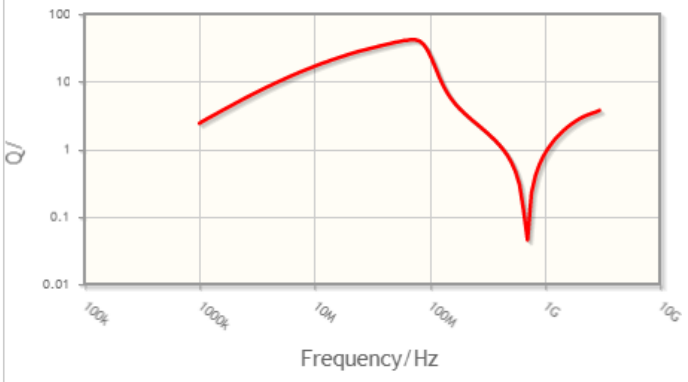
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Inductance



MLJ1005WR14KT000

Q



MLJ1005WR14KT000

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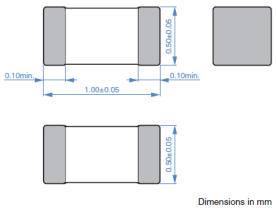
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Inductors (Coils)

MLJ1005WR14KT000

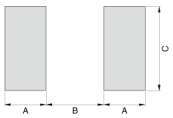
Associated Images

Shapes and Dimensions



Dimensions in mm

Land Pattern (Terminal Connection)



Dimensions in mm

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