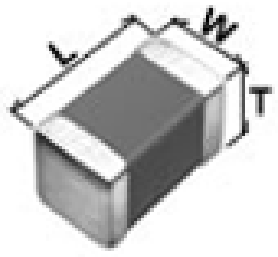
Creation Date : January 19, 2017 (GMT)

Inductors (Coils)

MLJ1005WR39KT000

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

Applications	Commercial Grade
Feature	Multilayer Multilayer Shield Magnetic Shield Ferrite Core Ferrite Core
Series	ML□
Status	Production



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness(T)	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	390nH ±10% at 25MHz
Rated Current (L Change) [Typ.]	300mA (10% Down)
Rated Current (L Change) [Max.]	230mA (10% Down)
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	300mA (25°C Rise)
DC Resistance [Typ.]	750mΩ
DC Resistance [Max.]	980mΩ
Self Resonant Frequency [Min.]	210MHz
Self Resonant Frequency [Typ.]	330MHz
Q [Min.]	15
Q [Typ.]	

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

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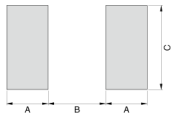
Associated Images

Land Pattern (Terminal Connection)



Dimensions in mm

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