**⊘TDK** Inductors(Coils)

## CLF10040T-1R5N-CA

Applications	€	Automotive Grade
Feature	Wire Wound	Wire Wound
	Shield	Magnetic Shield
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200
Series	CLF-CA Series / CLF10040-CA Type	
Status	Production	





Size				
Length(L)	10.00mm +/-0.30mm			
Width(W)	9.70mm +/-0.30mm			
Thickness(T)	3.80mm +/-0.30mm			
Recommended Land Pattern (A)	2.50mm Nom.			
Recommended Land Pattern (B)	5.60mm Nom.			
Recommended Land Pattern (C)	3.20mm Nom.			

Electrical Characteristics				
Inductance	1.5uH +/-30% at 100kHz			
Rated Current (L Change) [Typ.]	10.6A (10% Down)			
Rated Current (Temperature Rise) [Typ.]	5.8A (30degC Rise)			
DC Resistance [Nom.]	7.1mΩ			
DC Resistance [Max.]	9.23mΩ			

Other				
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC			
Soldering Method	Reflow, Iron Soldering			
AEC Q200	Yes			
Packing	Blister (Plastic)Taping [330mm Reel]			
Package Quantity	800Pcs Min.			
Weight	1.3g			

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



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CLF10040T-1R5N-CA(DC = 0A)

CLF10040T-1R5N-CA(DC = 2.9A)



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