

# **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

TDK Corporation VLF504012MT-1R5N-CA

For any questions, you can email us directly: sales@integrated-circuit.com



### Distributor of TDK Corporation: Excellent Integrated System Limited

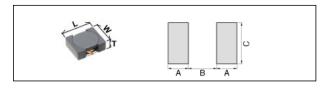
Datasheet of VLF504012MT-1R5N-CA - FIXED IND 1.5UH 2.91A 48 MOHM Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Inductors(Coils)

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## VLF504012MT-1R5N-CA

Applications	<b>Æ</b>	Automotive Grade
Feature	Wire Wound	Wire Wound
	Shield	Magnetic Shield
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200
Series	VLF-M Series / VLF504012MT-CA Type	
Status	PROD	











Size				
Length(L)	5.00mm +/-0.30mm			
Width(W)	4.00mm +/-0.30mm			
Thickness(T)	1.20mm Max.			
Recommended Land Pattern (A)	1.30mm Nom.			
Recommended Land Pattern (B)	1.60mm Nom.			
Recommended Land Pattern (C)	2.20mm Nom.			

Electrical Characteristics				
Inductance	1.5uH +/-30% at 1MHz			
Rated Current (L Change) [Typ.]	3.36A (30% Down)			
Rated Current (L Change) [Max.]	3.02A (30% Down)			
Rated Current (Temperature Rise) [Typ.]	2.91A (40degC Rise)			
DC Resistance [Nom.]	40mΩ			
DC Resistance [Max.]	48mΩ			

Other					
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC				
Soldering Method	Reflow				
AEC Q200	Yes				
Packing	Blister (Plastic)Taping [180mm Reel]				
Package Quantity	1000Pcs Min.				
Weight	0.089g				

•This PDF document was created based on the data listed on the TDK Corporation website.

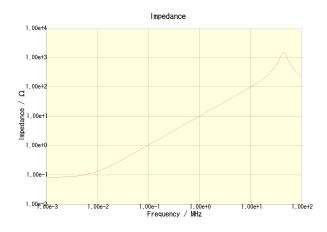
All appoi<del>fications are subject to about a without notice</del>

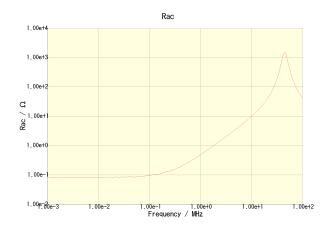
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#### **VLF504012MT-1R5N-CA**

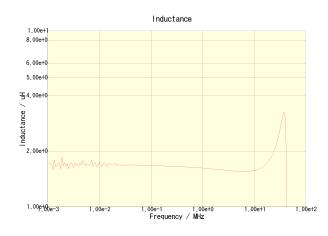
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

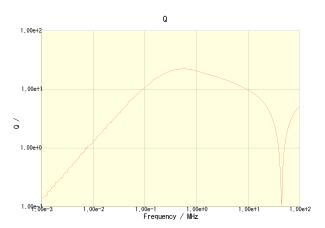




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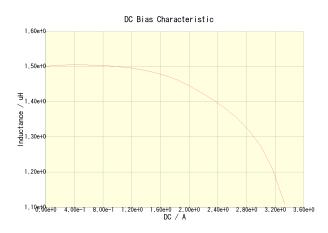
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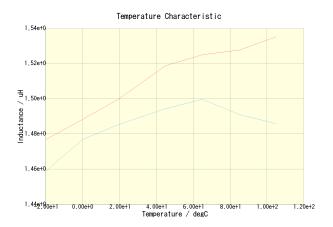
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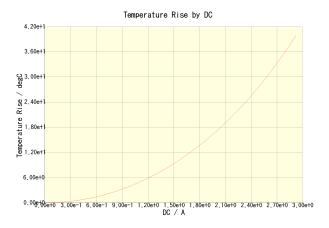
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VLF504012MT-1R5N-CA(Amb. Temp. = 20degc)

VLF504012MT-1R5N-CA(DC = 0A) VLF504012MT-1R5N-CA(DC = 1.455A)



VLF504012MT-1R5N-CA(Amb. Temp. = 20degc)