

Excellent Integrated System Limited

Stocking Distributor

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

TDK Corporation VLF403212MT-1R0N-CA

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



Distributor of TDK Corporation: Excellent Integrated System Limited Datasheet of VLF403212MT-1R0N-CA - FIXED IND 1UH 3.62A 31 MOHM SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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VLF403212MT-1R0N-CA

Applications	€	Automotive Grade
Feature	Wire Wound	Wire Wound
	Shield	Magnetic Shield
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200
Series	VLF-M Series / VLF403212MT-CA Type	
Status	PROD	



Size				
Length(L)	4.00mm +/-0.20mm			
Width(W)	3.20mm +/-0.20mm			
Thickness(T)	1.20mm Max.			
Recommended Land Pattern (A)	1.10mm Nom.			
Recommended Land Pattern (B)	1.30mm Nom.			
Recommended Land Pattern (C)	1.80mm Nom.			

Electrical Characteristics				
Inductance	1uH +/-30% at 1MHz			
Rated Current (L Change) [Typ.]	3.33A (30% Down)			
Rated Current (L Change) [Max.]	3A (30% Down)			
Rated Current (Temperature Rise) [Typ.]	3.62A (40degC Rise)			
DC Resistance [Nom.]	26mΩ			
DC Resistance [Max.]	31mΩ			

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	0.059g



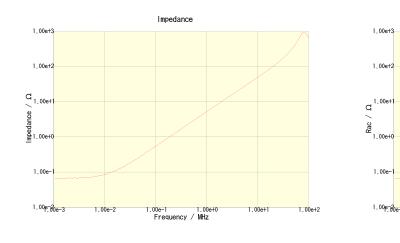
VLF403212MT-1R0N-CA

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1.00e+1

1.00e+2

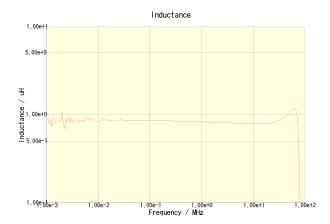
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

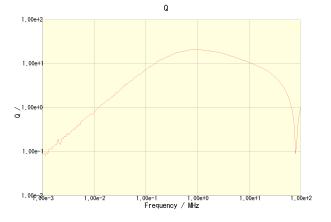


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1.00e-2





Rac

1.00e-1 1.00e+0 Frequency / MHz

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

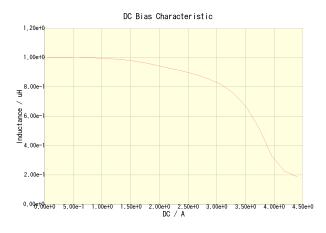


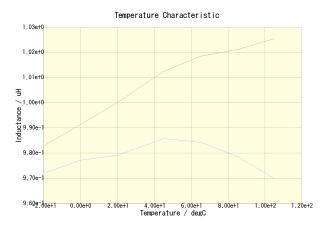
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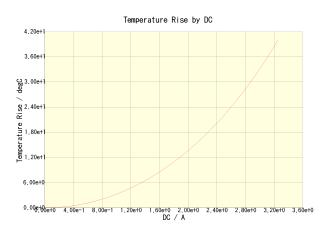
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)





VLF403212MT-1R0N-CA(Amb. Temp. = 20degc)

VLF403212MT-1R0N-CA(DC = 0A) VLF403212MT-1R0N-CA(DC = 1.5A)



VLF403212MT-1R0N-CA(Amb. Temp. = 20degc)