

# **Excellent Integrated System Limited**

Stocking Distributor

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

TDK Corporation VLF504012MT-6R8M-CA

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



## Distributor of TDK Corporation: Excellent Integrated System Limited

Datasheet of VLF504012MT-6R8M-CA - FIXED IND 6.8UH 1.77A 170 MOHM Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

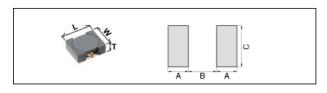
Inductors(Coils)

1 of 3

Creation Date :June 18 2014

## **VLF504012MT-6R8M-CA**

Applications	<b>~</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	6.8uH +/-20% at 1MHz			
Rated Current (L Change) [Typ.]	1.64A (30% Down)			
Rated Current (L Change) [Max.]	1.48A (30% Down)			
Rated Current (Temperature Rise) [Typ.]	1.77A (40degC Rise)			
DC Resistance [Nom.]	140mΩ			
DC Resistance [Max.]	170mΩ			

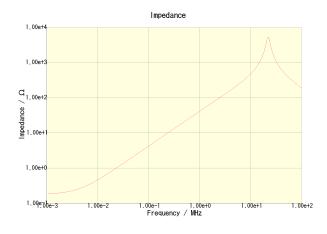
Other					
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC				
Soldering Method	Reflow				
AEC Q200	Yes				
Packing	Blister (Plastic)Taping [180mm Reel]				
Package Quantity	1000Pcs Min.				
Weight	0.089g				

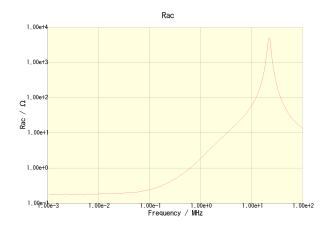
•This PDF document was created based on the data listed on the TDK Corporation website.

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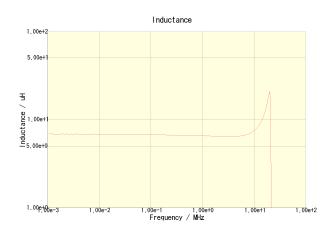
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

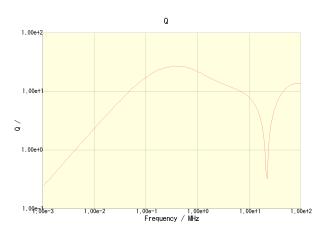




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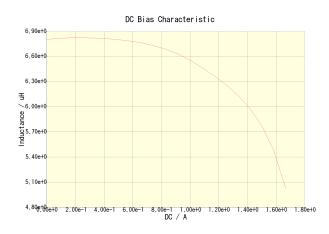
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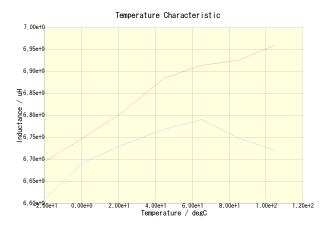
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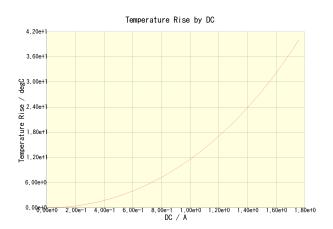
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VLF504012MT-6R8M-CA(Amb. Temp. = 20degc)

VLF504012MT-6R8M-CA(DC = 0A) VLF504012MT-6R8M-CA(DC = 0.74A)



VLF504012MT-6R8M-CA(Amb. Temp. = 20degc)