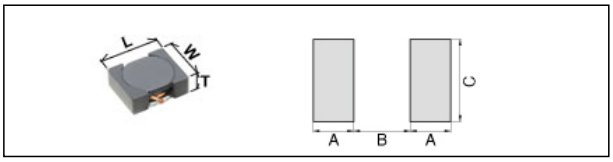
VLF504010MT-100M-CA

Applications		Automotive Grade
Feature	Wire Wound	Wire Wound
	Shield	Magnetic Shield
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200
Series	VLF-M Series / VLF504010MT-CA Type	
Status	PROD	



Lead Free | Halogen Free | REACH | RoHS COMPLIANT

Size	
Length(L)	5.00mm +/-0.30mm
Width(W)	4.00mm +/-0.30mm
Thickness(T)	1.00mm 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	10uH +/-20% at 1MHz
Rated Current (L Change) [Typ.]	1A (30% Down)
Rated Current (L Change) [Max.]	900mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.21A (40degC Rise)
DC Resistance [Nom.]	210mΩ
DC Resistance [Max.]	250mΩ

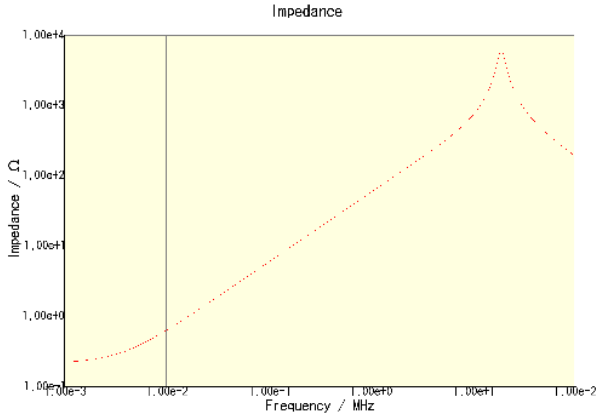
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000Pcs Min.
Weight	0.073g

•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.

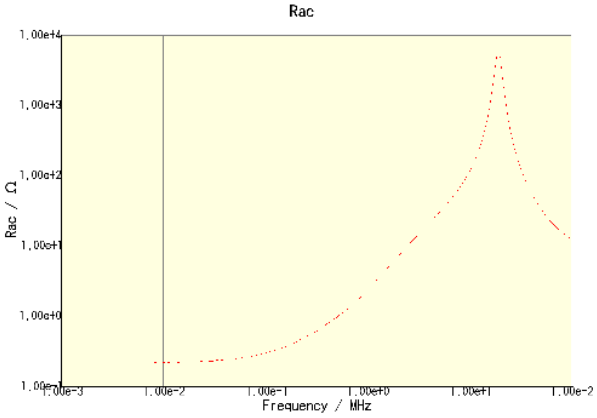
Copyright(c) TDK Corporation. All rights reserved

VLF504010MT-100M-CA

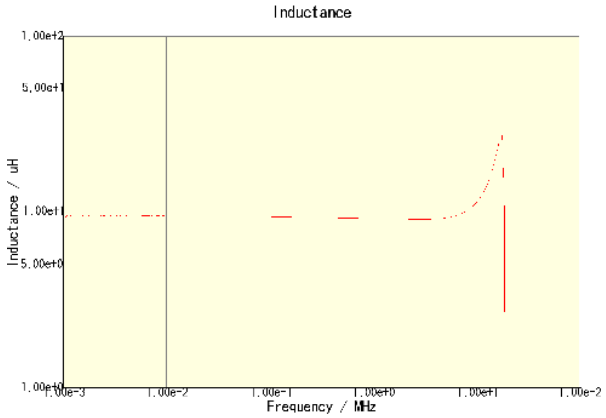
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



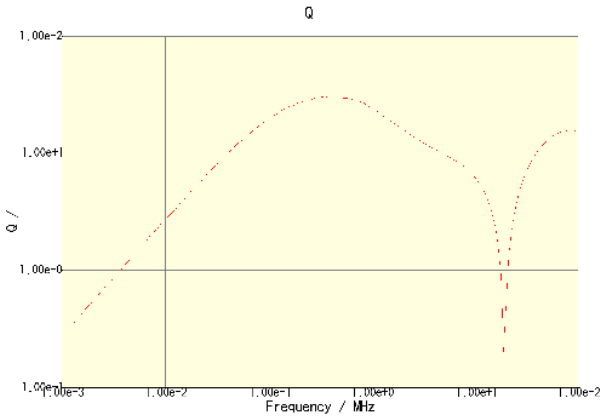
VLF504010MT-100M-CA



VLF504010MT-100M-CA



VLF504010MT-100M-CA



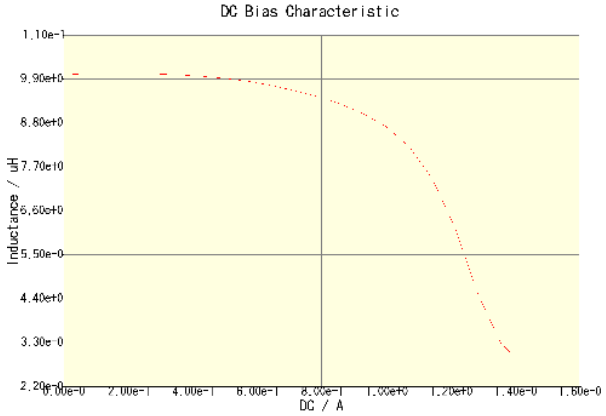
VLF504010MT-100M-CA

•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.

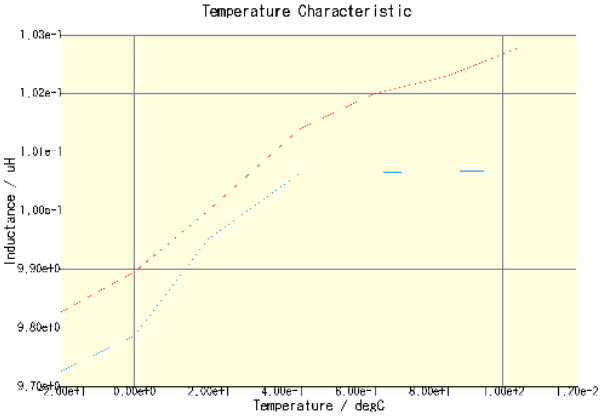
Copyright(c) TDK Corporation. All rights reserved

VLF504010MT-100M-CA

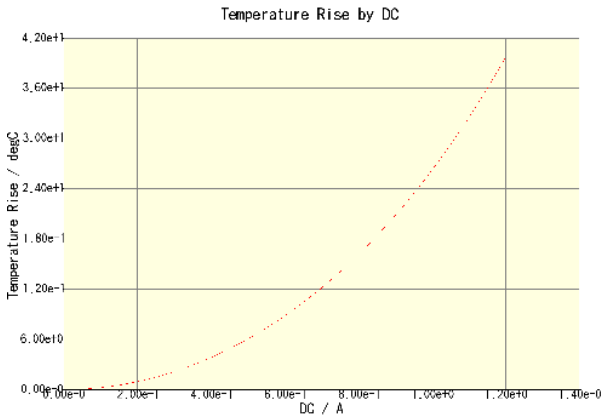
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



VLF504010MT-100M-CA(Amb. Temp. = 20degc)



VLF504010MT-100M-CA(DC = 0A) VLF504010MT-100M-CA(DC = 0.45A)



VLF504010MT-100M-CA(Amb. Temp. = 20degc)

•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.

Copyright(c) TDK Corporation. All rights reserved