



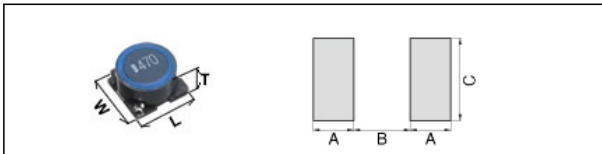


SLF10165T-100M3R83PF

Applications		Commercial Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	SLF Series / SLF10165 Type	
Status	PROD	



Size	
Length(L)	10.10mm +/-0.30mm
Width(W)	10.10mm +/-0.30mm
Thickness(T)	6.50mm +/-0.30mm
Recommended Land Pattern (A)	2.50mm Nom.
Recommended Land Pattern (B)	5.60mm Nom.
Recommended Land Pattern (C)	3.20mm Nom.

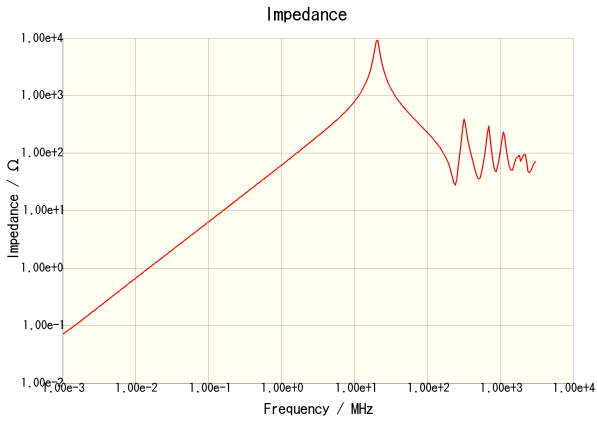
Electrical Characteristics	
Inductance	10uH +/-20% at 100kHz
Rated Current (L Change) [Max.]	4.1A (10% Down)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Nom.]	18.5mΩ
DC Resistance [Max.]	22.2mΩ

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	500 Pcs Min.
Weight	1.9g

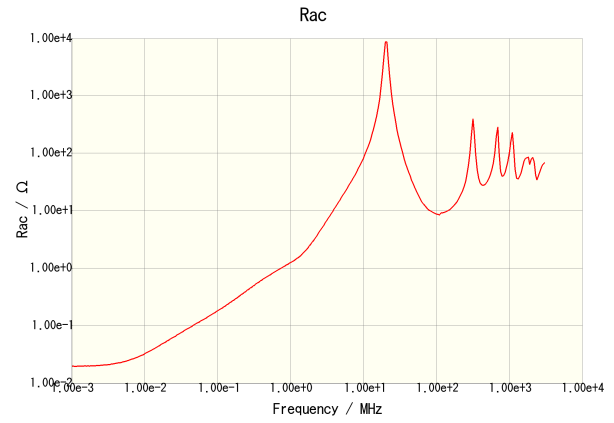
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 •All specifications are subject to change without notice.

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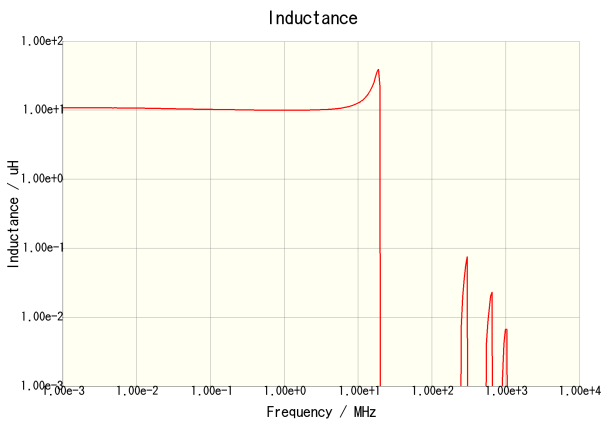
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



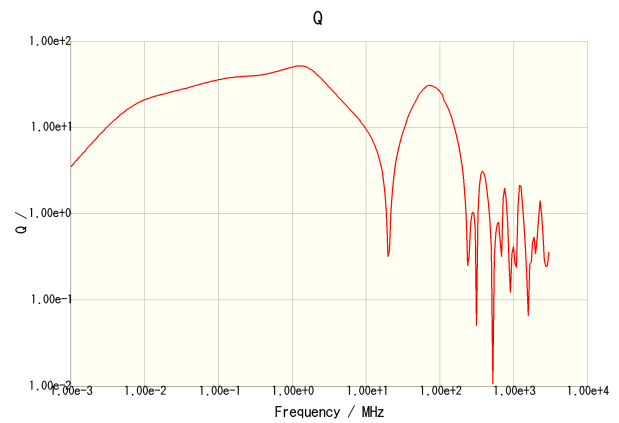
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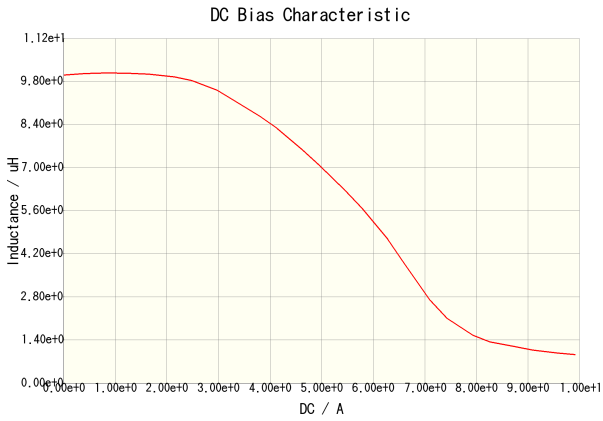


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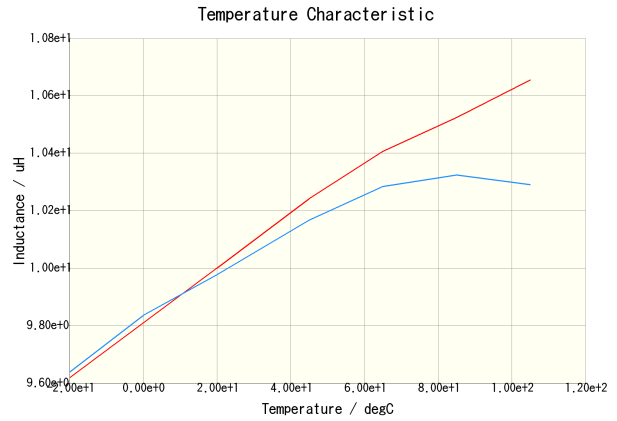
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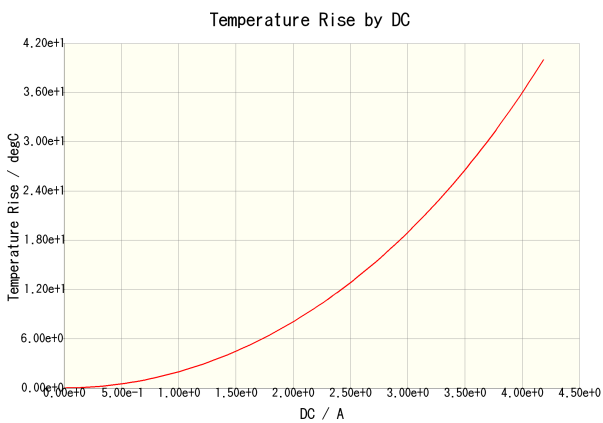
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SLF10165T-100M3R83PF(Amb. Temp. = 20degc)



SLF10165T-100M3R83PF(DC = 0A) SLF10165T-100M3R83PF(DC = 1.9A)



SLF10165T-100M3R83PF(Amb. Temp. = 20degc)

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