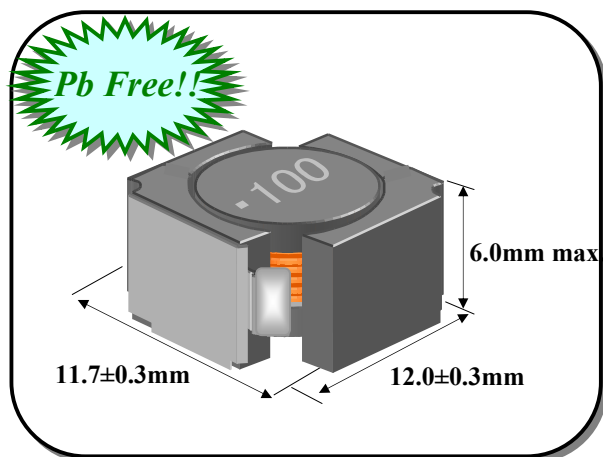


New Products!!

VLF12060-TYPE

SMD Power Inductor

Component Image & Dimension



Features :

- a) Low Profile Design :
Mount Area : 12.0mm square
Low Profile : 6.0mm Max. Height
- b) Compare to SLF12565 (TDK similar product) Type,
Low Loss & Large Current Capability Design.
DC Resistance : **0.88 x SLF12565**
Rated DC Current : **1.3 x SLF12565**
- c) High Magnetic Shield Construction should actualize
High Resolution for EMC Protection.
- d) Automatic Mounting in Tape&Reel Package.

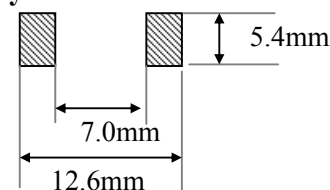
Applications :

Note Book & Mobile Computer, Amusement Equipment, DVD Player.

VRM, Plasma Display, etc.

Electrical Specification

Recommended pattern



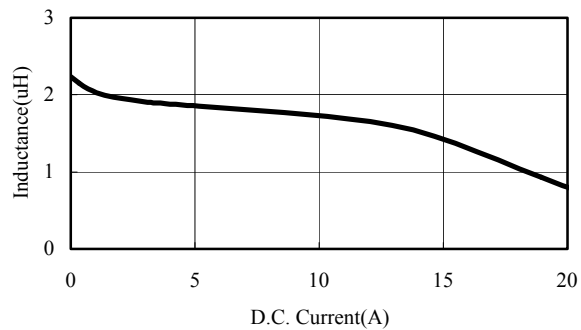
TDK Identification		Inductance at 1/2 IDC1 (uH)	Tol. (%)	Test Freq. (kHz)	DC Resistance[ohm] Spec. (max.)	(Typ.)	Rated DC Current[A] Idc 1 (max.)		Idc 2 (Typ.)
VLF12060T-	1R8N120	1.8	+/-30%	100	4.4m	3.6m	14.6	12.0	
VLF12060T-	2R7N100	2.7	+/-30%	100	6.4m	5.3m	12.0	10.0	
VLF12060T-	3R9N9R0	3.9	+/-30%	100	8.4m	7.0m	9.9	9.0	
VLF12060T-	4R7N7R7	4.7	+/-30%	100	11.6m	9.6m	9.1	7.7	
VLF12060T-	6R8N7R2	6.8	+/-30%	100	13.1m	10.9m	7.5	7.2	
VLF12060T-	100M6R2	10	+/-20%	100	16m	13.9m	6.2	6.4	
VLF12060T-	150M5R0	15	+/-20%	100	26m	22.3m	5.0	5.0	
VLF12060T-	220M4R1	22	+/-20%	100	36m	31.4m	4.1	4.2	
VLF12060T-	330M3R4	33	+/-20%	100	53m	46.1m	3.4	3.5	
VLF12060T-	470M2R8	47	+/-20%	100	71m	62.2m	2.8	3.0	
VLF12060T-	680M2R3	68	+/-20%	100	100m	87.5m	2.3	2.5	
VLF12060T-	101M1R9	100	+/-20%	100	152m	132.4m	1.9	2.0	
VLF12060T-	151M1R6	150	+/-20%	100	215m	187.1m	1.6	1.7	
VLF12060T-	221M1R3	220	+/-20%	100	352m	306.8m	1.3	1.3	
VLF12060T-	331M1R0	330	+/-20%	100	464m	404m	1.0	1.1	

Note. Idc 1 : Depend on the Inductance Saturation. (-30% Saturation from nominal L Value)

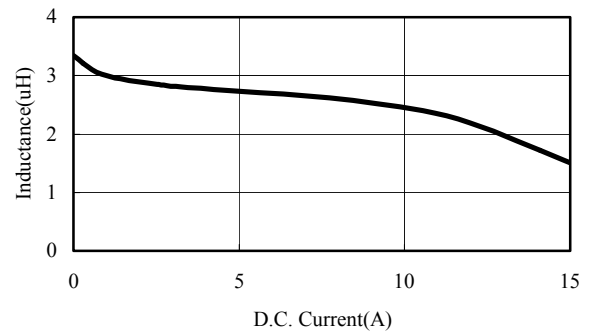
Idc 2 : Depend on the self temperature rise. (+40 degC typ.)

Operating Temperature Range : from -40deg.C to +105deg.C (including Self Temp. Rise)

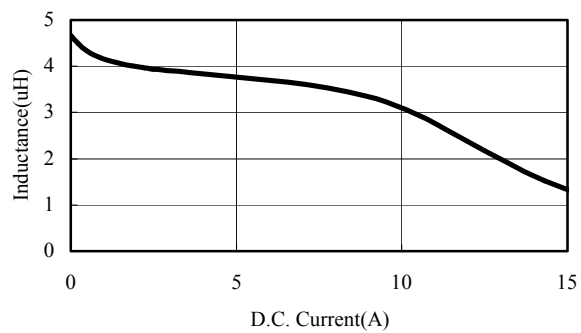
VLF12060T-1R8N120



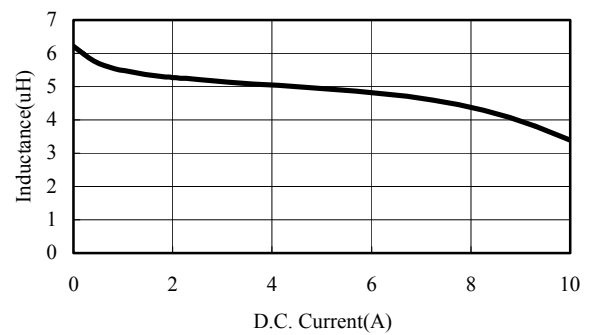
VLF12060T-2R7N100



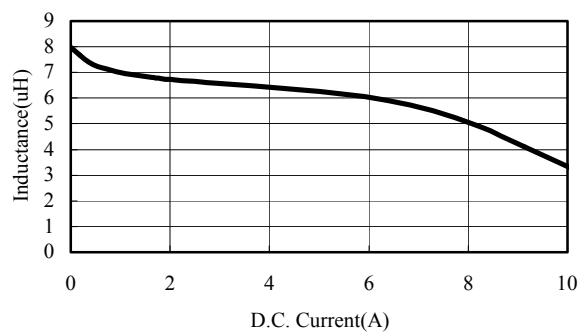
VLF12060T-3R9N9R0



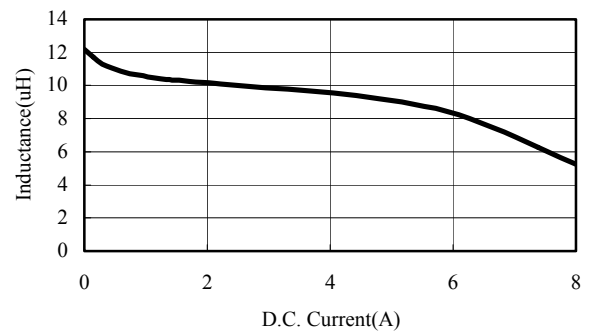
VLF12060T-4R7N7R7



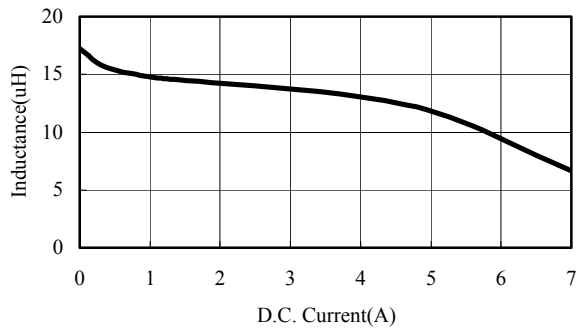
VLF12060T-6R8N7R2



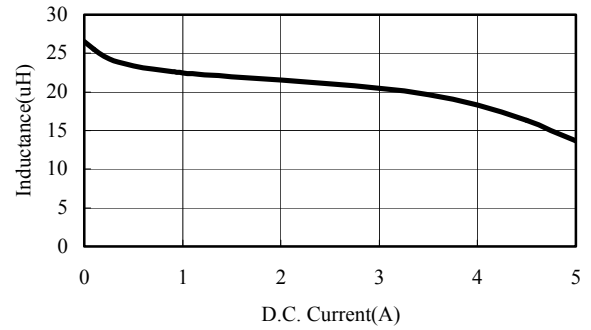
VLF12060T-100M6R2



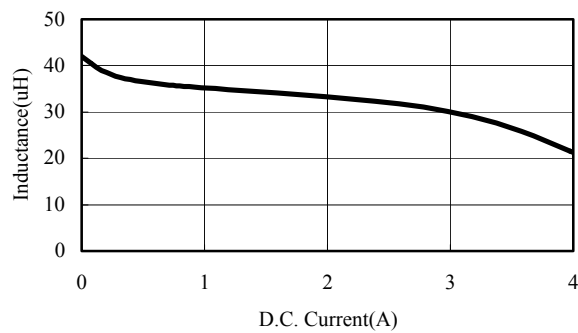
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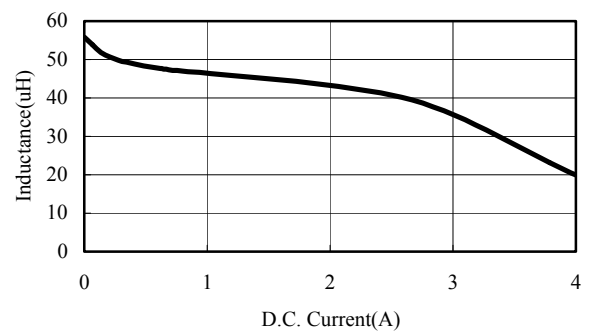
VLF12060T-220M4R1



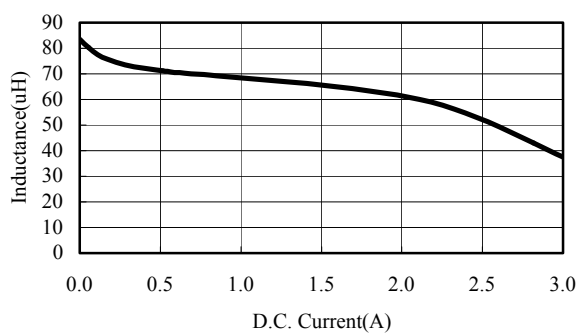
VLF12060T-330M3R4



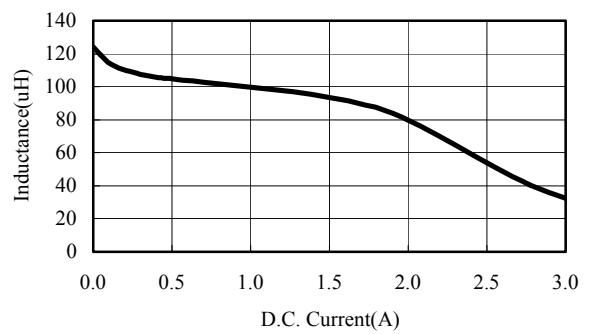
VLF12060T-470M2R8



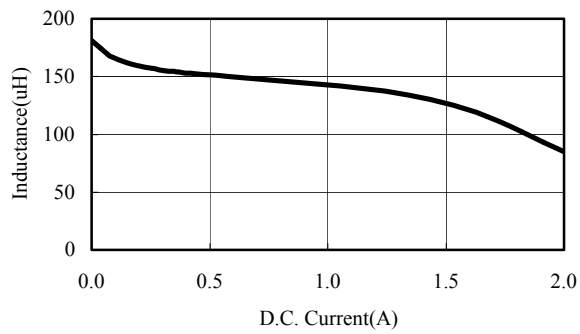
VLF12060T-680M2R3



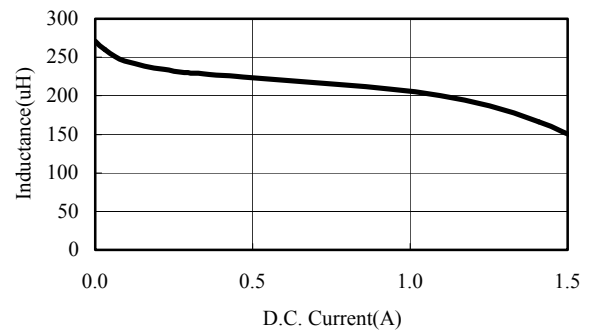
VLF12060T-101M1R9



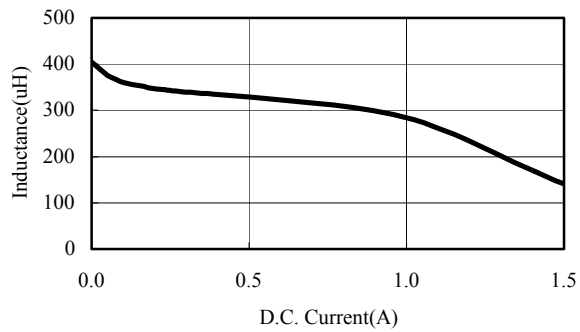
VLF12060T-151M1R6



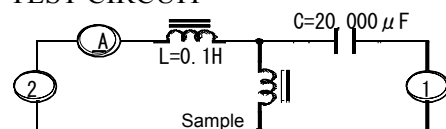
VLF12060T-221M1R3



VLF12060T-331M1R0



TEST CIRCUIT



1. LCR METER 4285A =100kHz
2. DC CONSTANT CURRENT SOURCE