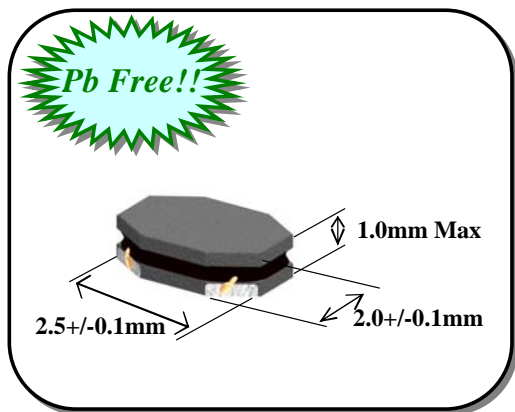


**Component Image
& Dimensions**



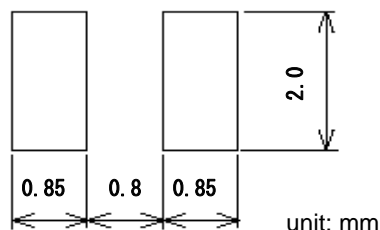
Features :

- a) Miniature Size :
Mount Area : 2.5mm x 2.0mm
Low Profile : 1.0mm Max. Height
- b) Generic use for portable DC/DC Converter.
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) Automatic Mounting in Tape&Reel Package.

Recommended Land Pattern

Applications :

Cellular Phone, DVC , DSC ,
PDA, LCD Display, HDD etc.



Electrical Specification

TDK Identification	Inductance [μH] Tol. (%)	Test Freq. [MHz]	DC Resistance [Ohm]		Rated DC Current [A]		
			(Max.)	(Typ.)	Idc1 (Max.)	(Typ.)	Idc2 (Typ.)
VLS252010MNT-R47N	0.47+/- 30%	1.0	0.040	0.033	3.15	3.50	2.90
VLS252010MNT-R68N	0.68+/- 30%	1.0	0.056	0.046	2.70	3.00	2.50
VLS252010MNT-1R0M	1.0+/- 20%	1.0	0.065	0.054	2.30	2.55	2.30
VLS252010MNT-1R5M	1.5+/- 20%	1.0	0.111	0.093	1.95	2.15	1.70
VLS252010MNT-2R2M	2.2+/- 20%	1.0	0.144	0.120	1.45	1.60	1.55
VLS252010MNT-3R3M	3.3+/- 20%	1.0	0.229	0.191	1.30	1.40	1.15
VLS252010MNT-4R7M	4.7+/- 20%	1.0	0.302	0.252	1.00	1.10	1.00
VLS252010MNT-6R8M	6.8+/- 20%	1.0	0.457	0.381	0.79	0.88	0.79
VLS252010MNT-100M	10+/- 20%	1.0	0.588	0.490	0.64	0.72	0.69

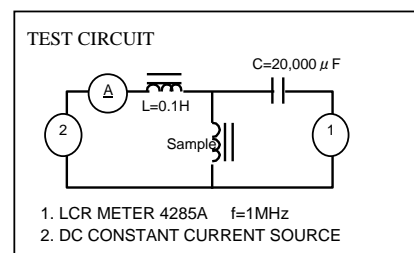
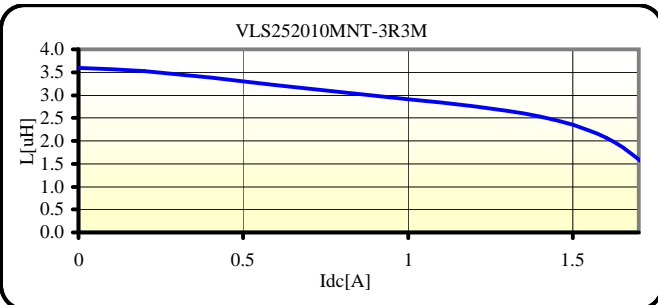
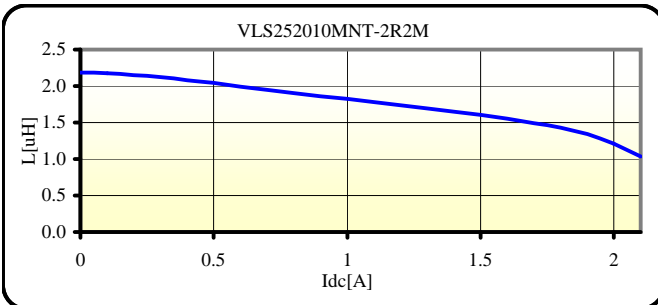
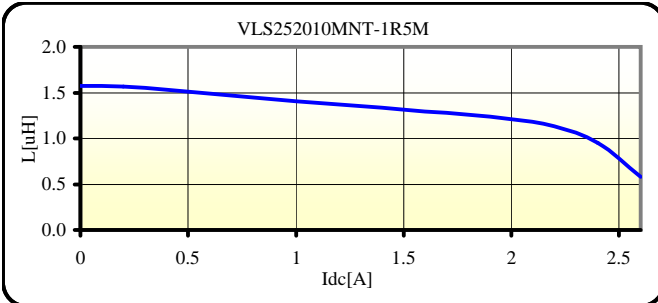
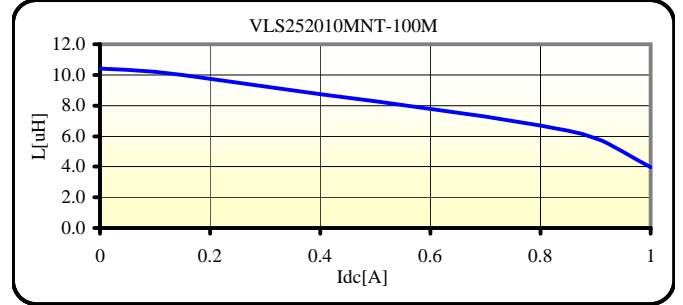
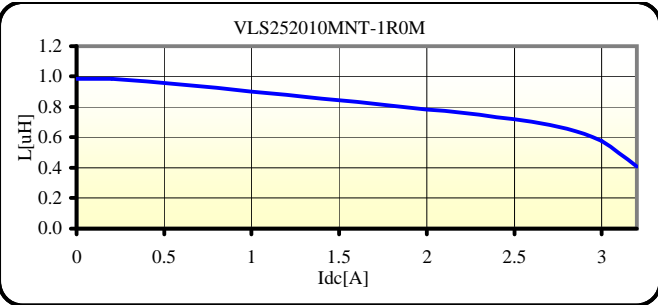
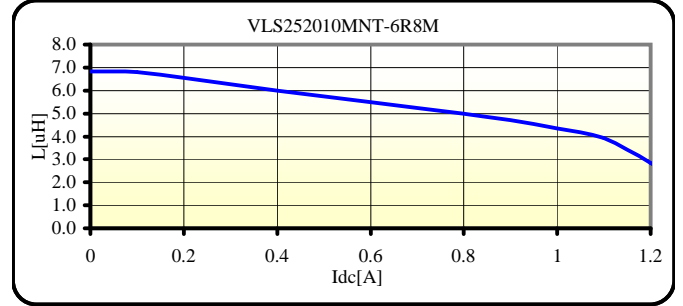
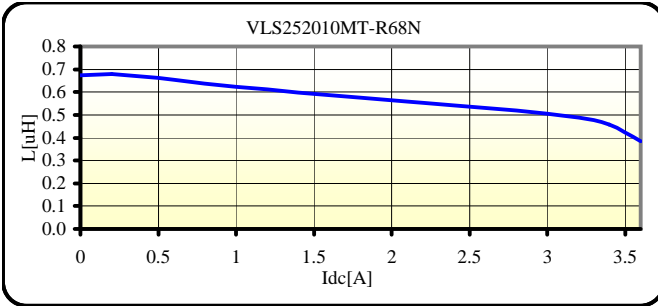
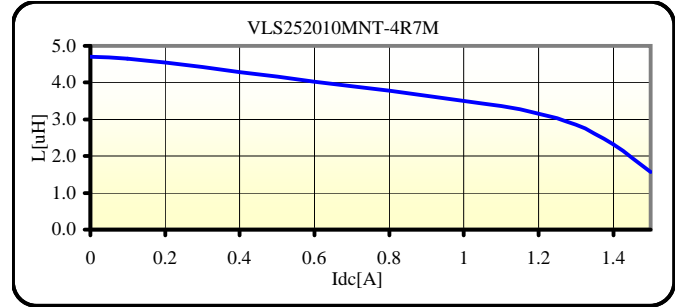
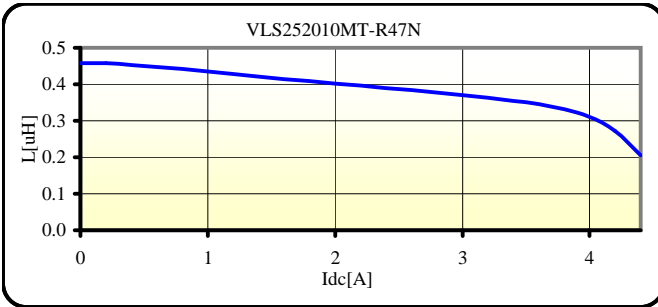
Note) Idc 1 : Depend on the Inductance Saturation. (-30% Reduction from Nominal L Value)

Idc 2 : Depend on the Self Temperature Rise (40deg.C Typ.)

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

INDUCTANCE VS. DC SUPERPOSITION CHARACTERISTICS

Inductance vs D.C. Current Comparison



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[78P7200-IH/F](#) [MLP2012S1R5TT](#) [ACH3218-682-TD01](#) [ACT45B-KIT](#) [NL565050T-822J-PF](#) [C1005JB1H471K050BA](#)
[C1608CH1H151J080AA](#) [C2012JB1H105K125AB](#) [C4532NP01H154J250KA](#) [SLF12575T-680M2R0-PF](#) [CD75-B2GA331KYGKA](#)
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[3R3M1R0](#) [VLS4012T-150MR65](#) [ZCAT-KIT](#) [MPZ2012-KIT](#) [NLV32T-R27J-EFD](#) [CKCM25C0G2A101K060AK](#) [CLF10040T-4R7N](#)
[VLS252010HBX-R24M-1](#) [CGJ2B2X7R1C222K](#) [CGA8M3X7R1H475K](#) [CGA9M1X7T2J334K](#) [CGA8P3X7T2E105M/SOFT](#)
[CGA6J4C0G2J392J](#) [CGA6M3X7R2E154K](#) [CGA3E3C0G2E181J](#) [CGA2B2C0G1H331J](#) [CEU-AC01-E6-KIT](#) [CERB3UX5R0G105M](#)
[RLF12545T-100M5R1-PF](#) [PFE500F28/T](#) [CCT406393-600-36-02](#) [PFC3819QM-181K09B-00](#) [VLF3010AT-100MR49](#) [MMZ0603D330C](#)
[MPZ2012S102ATD25](#) [MLG1608B18NJ](#) [UHV-251A](#)