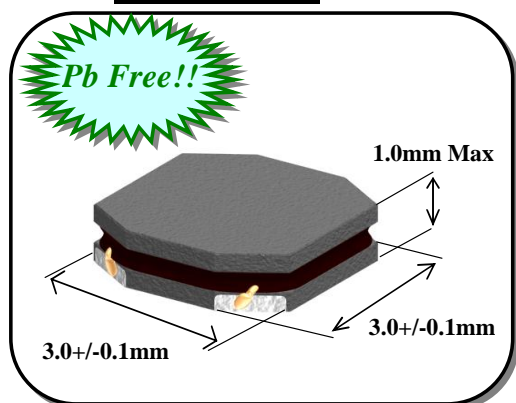


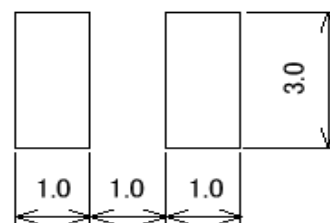
Component Image & Dimensions



Features :

- a) Miniature Size :
Mount Area : 3.0mm x 3.0mm
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



unit: mm

Applications :

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

Electrical Specification

TDK Identification	Inductance [μ H] Tol. (%)	Test Freq. [MHz]	DC Resistance [Ohm]		Rated DC Current [A]		
			(Max.)	(Typ.)	Idc1 (Max.)	(Typ.)	Idc2 (Typ.)
VLS3010T- 1R0N1R9	1.0+/- 30%	1.0	0.072	0.060	1.7	1.9	2.1
VLS3010T- 1R5N1R6	1.5+/- 30%	1.0	0.085	0.071	1.4	1.5	1.9
VLS3010T- 2R2M1R3	2.2+/- 20%	1.0	0.116	0.097	1.2	1.4	1.7
VLS3010T- 3R3M1R1	3.3+/- 20%	1.0	0.156	0.13	1.1	1.3	1.5
VLS3010T- 4R7MR80	4.7+/- 20%	1.0	0.204	0.17	0.8	0.9	1.3
VLS3010T- 6R8MR75	6.8+/- 20%	1.0	0.312	0.26	0.75	0.85	1.0
VLS3010T- 100MR65	10+/- 20%	1.0	0.468	0.39	0.65	0.70	0.8
VLS3010T- 150MR55	15+/- 20%	1.0	0.612	0.51	0.55	0.65	0.7
VLS3010T- 220MR46	22+/- 20%	1.0	0.90	0.75	0.46	0.52	0.6

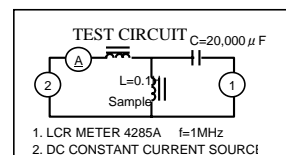
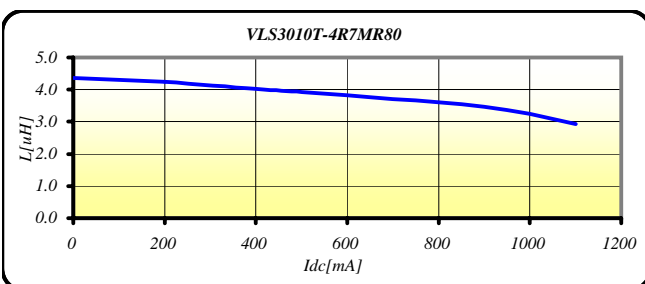
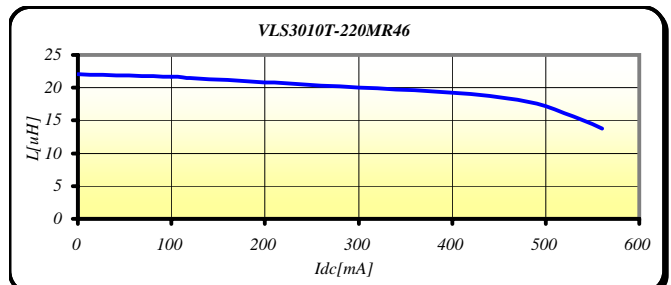
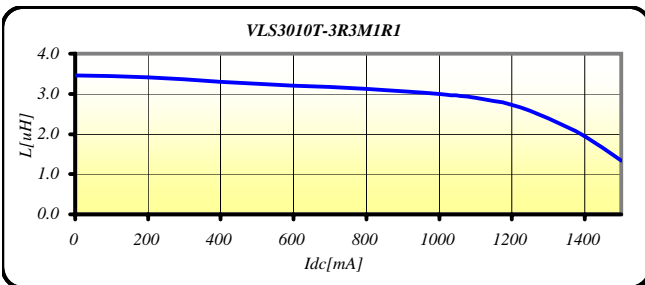
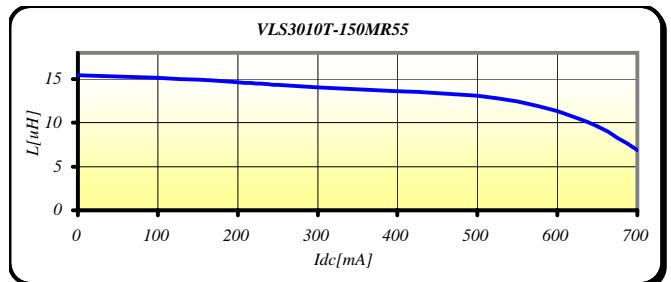
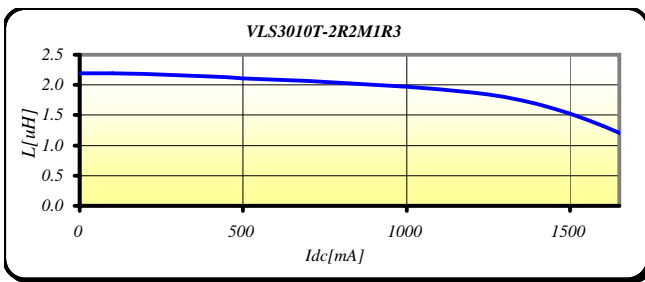
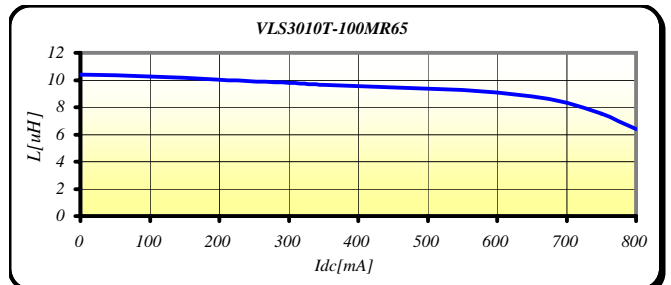
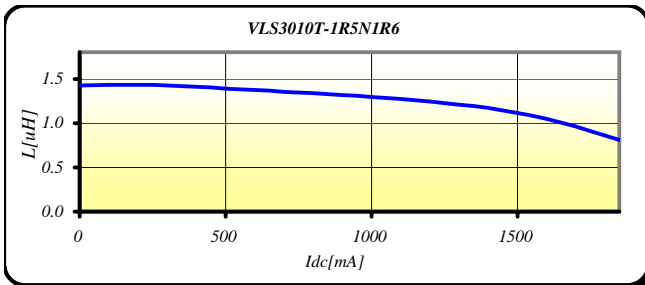
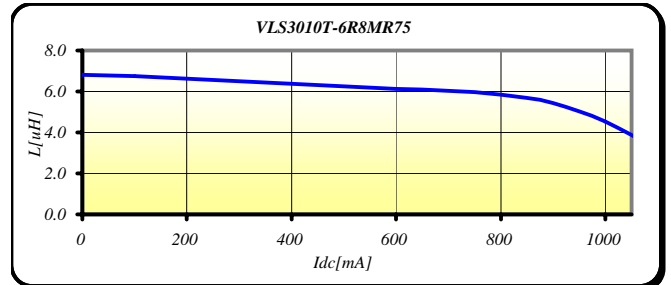
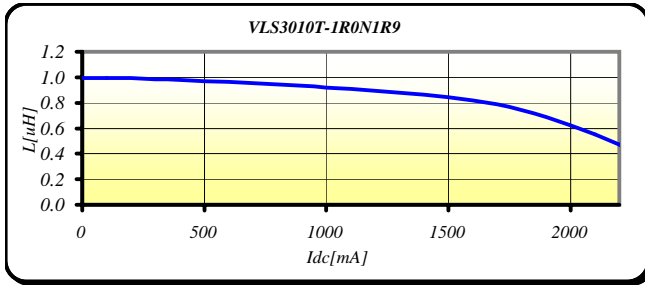
Note) Idc 1 : Depend on the Inductance Saturation. (-30% Reduction from Nominal L Value)

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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Fixed Inductors](#) category:

Click to view products by [TDK](#) manufacturer:

Other Similar products are found below :

[CR32NP-100KC](#) [CR43NP-680KC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#) [CTX32CT-100](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHL1ECTTP18NJ](#)
[MHL1JCTTD12NJ](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53602NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-62892NL](#) [PE-92100NL](#) [PG0434.801NLT](#)
[PG0936.113NLT](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2-2R2TR](#) [HC2LP-R47-R](#) [HC3-2R2-R](#) [1206CS-151XG](#)
[RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCH8011NP-221L](#) [RCP1317NP-332L](#) [RCP1317NP-391L](#) [RCR1010NP-470M](#) [RCR110DNP-331L](#)
[DH2280-4R7M](#) [DS1608C-106](#) [ASPI-4020HI-R10M-T](#) [B10TJ](#) [B82477P4333M](#) [B82498B3101J000](#) [B82498B3680J000](#) [ELJ-RE27NJF2](#)
[1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#)