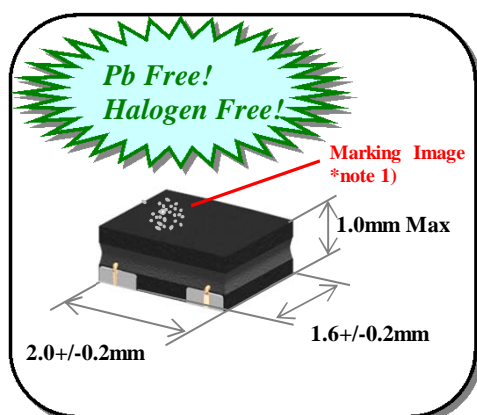


**Component Image
& Dimensions**



*note 1) This figure does not represent the exact appearance and dimensions.

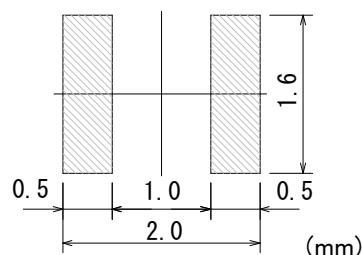
Applications :

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

Features :

- a) Miniature Size :
Mount Area : 2.0mm x 1.6mm
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



Electrical Specification

TDK Identification	Inductance [μ H]	Tol. (%)	Test Freq. [MHz]	DC Resistance [Ohm]		Rated DC Current [A]			
				(Max.)	(Typ.)	Idc1		Idc2	
						(Max.)	(Typ.)	(Max.)	(Typ.)
VLS201610HBX-R24M-GX	0.24 +/- 20%		1.0	0.030	0.023	4.81	5.15	3.74	4.40
VLS201610HBX-R33M-GX	0.33 +/- 20%		1.0	0.039	0.031	4.42	4.79	2.85	3.35
VLS201610HBX-R47M-GX	0.47 +/- 20%		1.0	0.041	0.034	3.50	4.00	3.18	3.53
VLS201610HBX-R68M-GX	0.68 +/- 20%		1.0	0.053	0.044	3.10	3.53	2.47	2.90
VLS201610HBX-1R0M-GX	1.0 +/- 20%		1.0	0.072	0.060	2.50	2.90	2.13	2.50
VLS201610HBX-1R5M-GX	1.5 +/- 20%		1.0	0.116	0.097	2.00	2.20	1.63	1.92
VLS201610HBX-2R2M-GX	2.2 +/- 20%		1.0	0.160	0.142	1.70	1.90	1.45	1.70
VLS201610HBX-3R3M-GX	3.3 +/- 20%		1.0	0.252	0.210	1.20	1.35	1.02	1.20
VLS201610HBX-4R7M-GX	4.7 +/- 20%		1.0	0.370	0.308	1.10	1.20	0.81	0.95
VLS201610HBX-6R8M-GX	6.8 +/- 20%		1.0	0.558	0.465	0.88	0.98	0.70	0.82
VLS201610HBX-100M-GX	10.0 +/- 20%		1.0	0.768	0.640	0.65	0.75	0.61	0.72

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

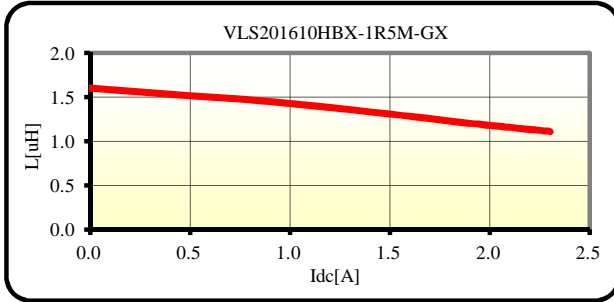
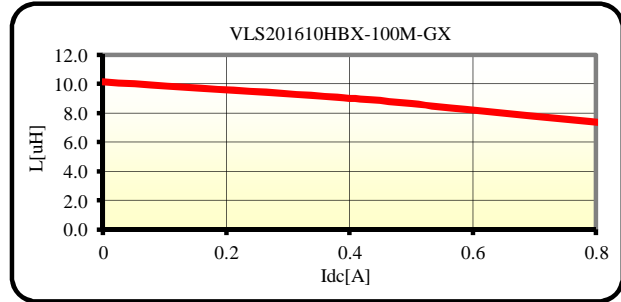
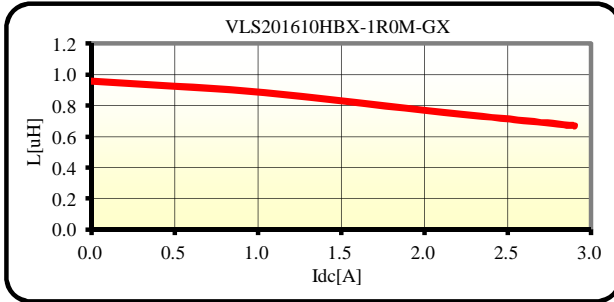
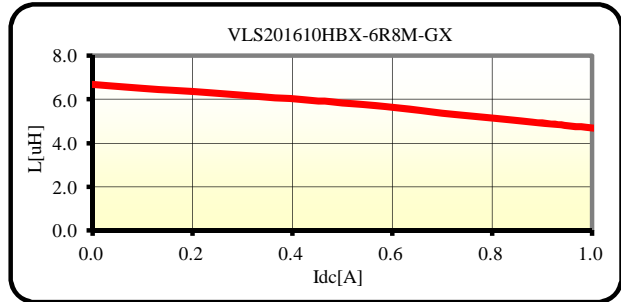
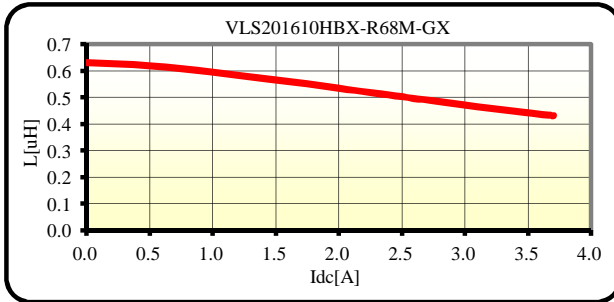
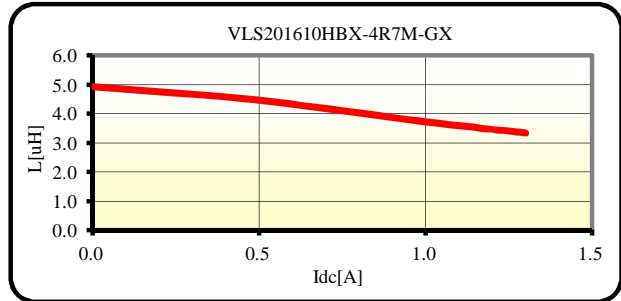
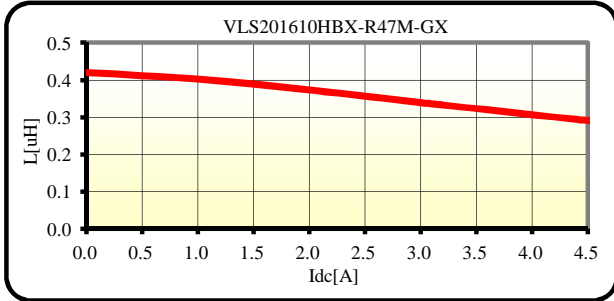
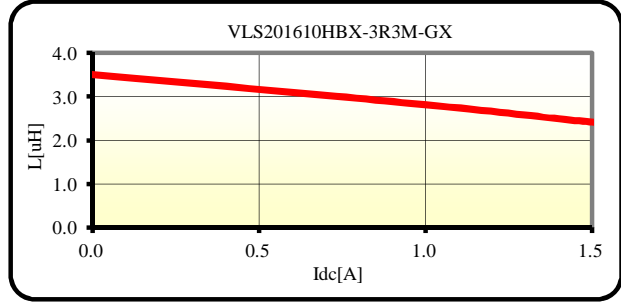
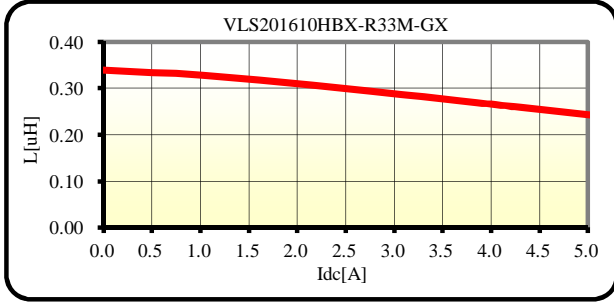
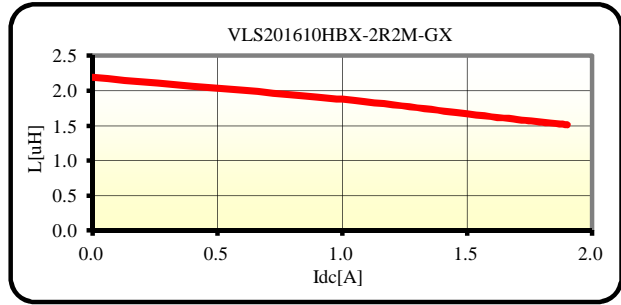
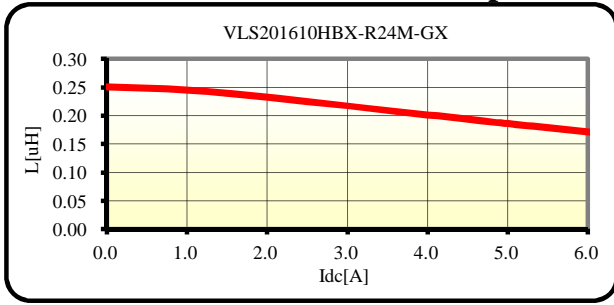
Idc 2 : Depend on the Self Temperature Rise (40deg.C)

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

※The products must be used withstanding voltage between terminals in 20V or less.

INDUCTANCE VS. DC SUPERPOSITION CHARACTERISTICS

Inductance vs D.C. Current Comparison



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

Other Similar products are found below :

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[MLZ1608M150WTD25](#) [MLZ1608M3R3WTD25](#) [MLZ1608M3R3WT000](#) [MLZ1608M150WT000](#) [MLZ1608A1R5WT000](#)

[MLZ1608N1R5LT000](#) [B82432C1333K000](#) [PCMB053T-1R0MS](#) [PCMB053T-1R5MS](#) [PCMB104T-1R5MS](#) [CR32NP-100KC](#) [CR32NP-](#)

[151KC](#) [CR32NP-180KC](#) [CR32NP-181KC](#) [CR32NP-1R5MC](#) [CR32NP-390KC](#) [CR32NP-3R9MC](#) [CR32NP-680KC](#) [CR32NP-820KC](#)

[CR32NP-8R2MC](#) [CR43NP-390KC](#) [CR43NP-560KC](#) [CR43NP-680KC](#) [CR54NP-181KC](#) [CR54NP-470LC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#)

[MGDQ4-00004-P](#) [MGDU1-00016-P](#) [MHL1ECTTP18NJ](#) [MHL1JCTTD12NJ](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-](#)

[62892NL](#) [PE-92100NL](#) [PG0434.801NLT](#) [PG0936.113NLT](#) [PM06-2N7](#) [PM06-39NJ](#) [HC2LP-R47-R](#) [HC2-R47-R](#) [HC3-2R2-R](#) [HC8-1R2-R](#)