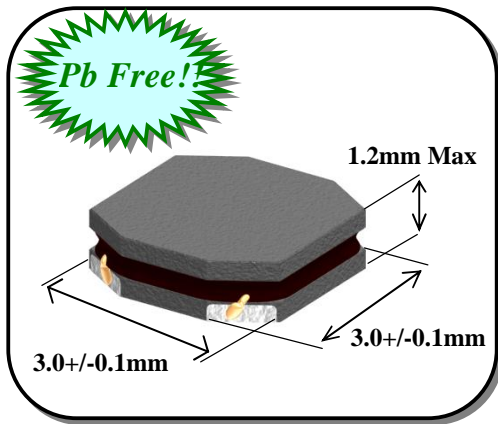




**THE DATASHEET OF
VLS3012T-470MR34**



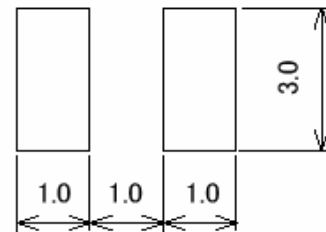
**Component Image
& Dimensions**



Features :

- a) Miniature Size :
Mount Area : 3.0mm x 3.0mm
Low Profile : 1.2mm 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

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.) |
| VLS3012T- 1R0N2R2 | 1.0+/- 30% | 1.0 | 0.070 | 0.058 | 2.2 | 2.5 | 2.2 |
| VLS3012T- 1R5N1R7 | 1.5+/- 30% | 1.0 | 0.082 | 0.068 | 1.7 | 1.9 | 2.0 |
| VLS3012T- 2R2M1R5 | 2.2+/- 20% | 1.0 | 0.098 | 0.082 | 1.5 | 1.7 | 1.9 |
| VLS3012T- 3R3M1R3 | 3.3+/- 20% | 1.0 | 0.120 | 0.100 | 1.3 | 1.5 | 1.7 |
| VLS3012T- 4R7M1R0 | 4.7+/- 20% | 1.0 | 0.156 | 0.130 | 1.0 | 1.2 | 1.4 |
| VLS3012T- 6R8MR90 | 6.8+/- 20% | 1.0 | 0.228 | 0.190 | 0.9 | 1.0 | 1.2 |
| VLS3012T- 100MR72 | 10+/- 20% | 1.0 | 0.336 | 0.280 | 0.72 | 0.8 | 1.0 |
| VLS3012T- 150MR58 | 15+/- 20% | 1.0 | 0.528 | 0.440 | 0.58 | 0.65 | 0.81 |
| VLS3012T- 220MR49 | 22+/- 20% | 1.0 | 0.756 | 0.630 | 0.49 | 0.55 | 0.67 |
| VLS3012T- 330MR40 | 33+/- 20% | 1.0 | 1.248 | 1.040 | 0.40 | 0.45 | 0.52 |
| VLS3012T- 470MR34 | 47+/- 20% | 1.0 | 1.512 | 1.260 | 0.34 | 0.38 | 0.48 |

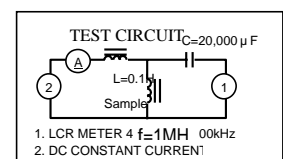
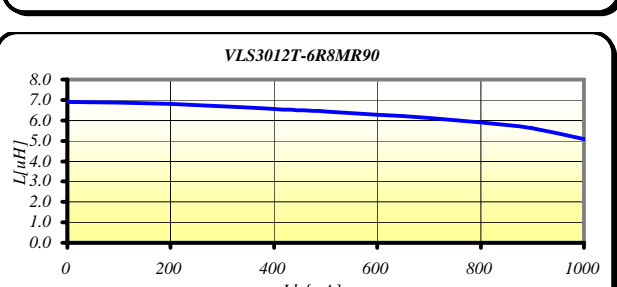
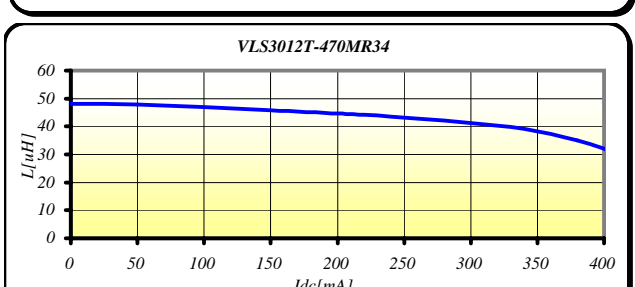
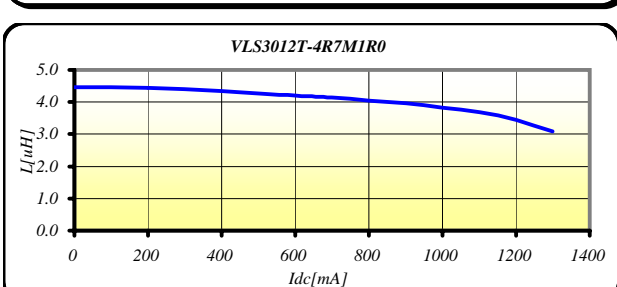
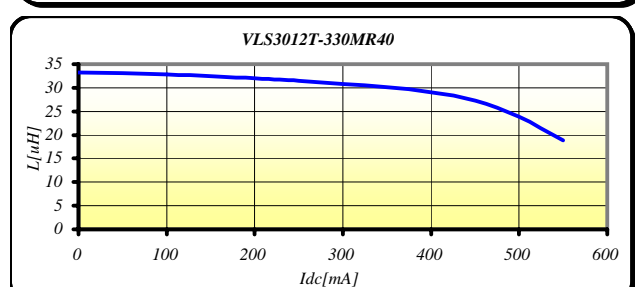
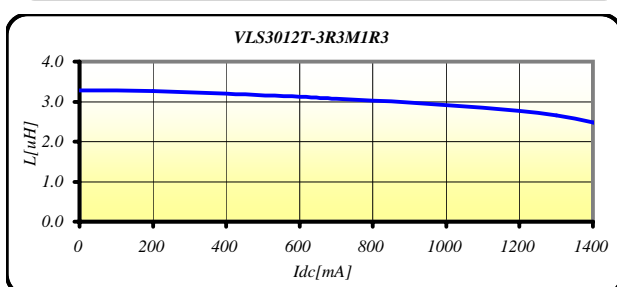
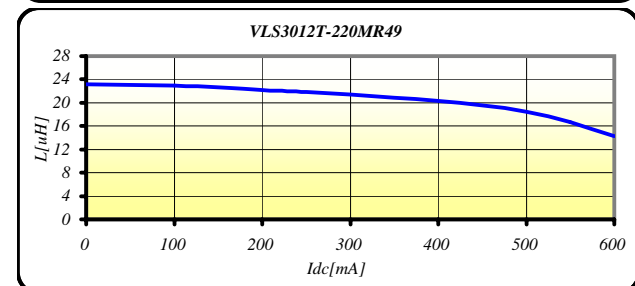
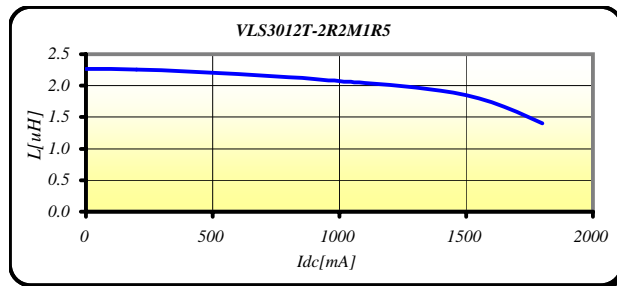
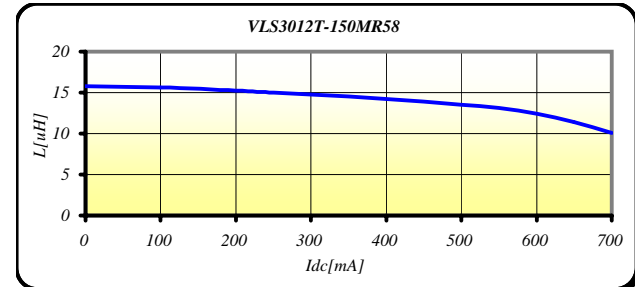
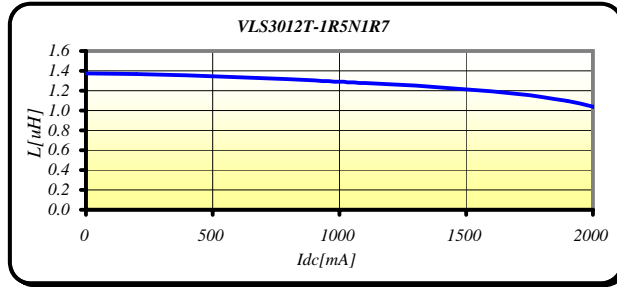
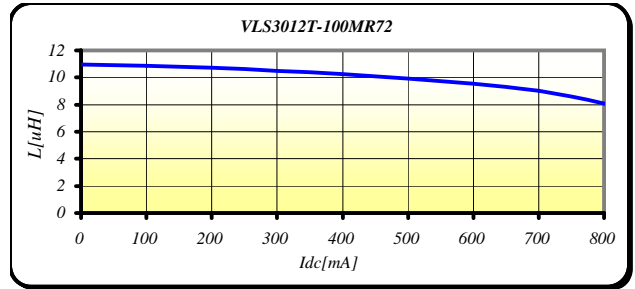
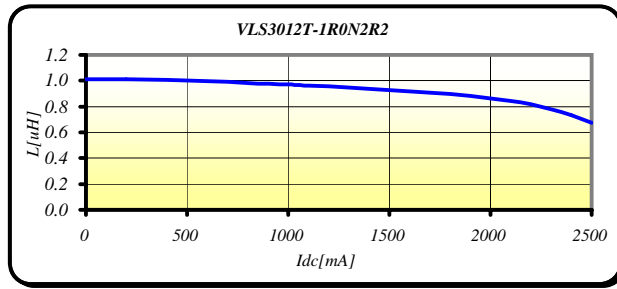
Note) Idc 1 : Depend on the Inductance Saturation. (-30% Reduction from Nominal L Value)

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



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View VLS3012T-470MR34 on WIN SOURCE](#)
-  [TDK Corporation Information](#)

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
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