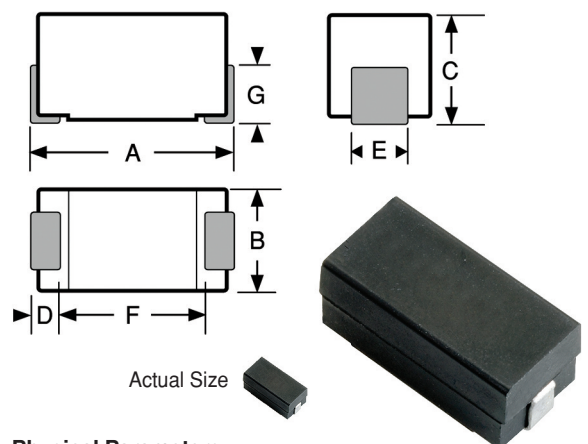


SERIES

MIL4922



MIL-PRF-27/367, T Level Qualified Surface Mount Power Inductors



Physical Parameters

| | Inches | Millimeters |
|---|-------------------|------------------|
| A | 0.490 to 0.520 | 12.44 to 13.21 |
| B | 0.230 to 0.250 | 5.84 to 6.35 |
| C | 0.210 to 0.230 | 5.33 to 5.84 |
| D | 0.050 Min. | 1.27 Min. |
| E | 0.055 to .075 | 1.40 to 1.91 |
| F | 0.330 (Ref. only) | 8.38 (Ref. only) |
| G | 0.120 (Ref. only) | 3.04 (Ref. only) |

Dimensions "A" and "C" are over terminals

Military QPL Approval

M27/367 T Level, Grade 5, encapsulated
Level T Magnetics are 100% Tested per MIL-PRF-27 Group A Subgroup I which includes:
 1) Thermal Shock, 25 cycles
 2) Burn In, 96 hours
 3) Radiographic (X-Ray) Inspection

Operating Temperature Range -55°C to +130°C

Current Rating at 85°C Ambient 45°C Rise

Maximum Power Dissipation at 85°C 0.55 W

Inductance

Measured at 1 VAC open circuit with no DC current
Incremental Current The current at which the inductance will decrease by a maximum of 5% from its initial DC value

Lead Finish

Sn63 Pb37 (Tin-Lead), Hot Solder Dipped
Weight 1.5 grams MAX

DMV 1000 Vrms at Sea Level

500 Vrms at 70,000 feet altitude

IR 1000 Mohms MIN at 500 Vdc

Vibration MIL-STD-202, Method 204, Test Condition D

Moisture Resistance MIL-STD-202, Method 106

Bond Strength Force 2 lbs.

Marking

Military PIN (Part or Identifying Number)

API Delevan Part Number

API Delevan Cage Code Date/Lot Code (YYWWL)

Marking Example

M27/367-38T

MIL4922-30LT

99800 1328A

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.;

7" reel not available

Made In the U.S.A.

| DASH NUMBER* | MIL DASH | INDUCTANCE @ 1 kHz (µH) ±15% | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (Amps) | INCREMENTAL CURRENT (Amps) |
|--------------|----------|------------------------------|------------------------------|-------------------------------|----------------------------|
|--------------|----------|------------------------------|------------------------------|-------------------------------|----------------------------|

| M27/367 - SERIES MIL4922 T LEVEL FERRITE CORE | | | | | |
|---|------|-------|--------|-------|-------|
| -221LT | -01T | 0.22 | 0.0080 | 7.00 | 7.00 |
| -271LT | -02T | 0.27 | 0.0085 | 6.75 | 6.75 |
| -331LT | -03T | 0.33 | 0.0090 | 6.50 | 6.50 |
| -391LT | -04T | 0.39 | 0.0095 | 6.25 | 6.25 |
| -471LT | -05T | 0.47 | 0.0100 | 6.00 | 6.00 |
| -561LT | -06T | 0.56 | 0.0105 | 5.80 | 5.80 |
| -681LT | -07T | 0.68 | 0.0110 | 5.70 | 5.70 |
| -821LT | -08T | 0.82 | 0.0120 | 5.60 | 5.60 |
| -01LT | -09T | 1.00 | 0.013 | 5.50 | 5.50 |
| -02LT | -10T | 1.20 | 0.018 | 4.69 | 4.69 |
| -03LT | -11T | 1.50 | 0.020 | 4.45 | 4.45 |
| -04LT | -12T | 1.80 | 0.021 | 4.34 | 4.34 |
| -05LT | -13T | 2.20 | 0.029 | 3.70 | 3.70 |
| -06LT | -14T | 2.70 | 0.034 | 3.41 | 3.41 |
| -07LT | -15T | 3.30 | 0.038 | 3.23 | 3.23 |
| -08LT | -16T | 3.90 | 0.042 | 3.07 | 3.07 |
| -09LT | -17T | 4.70 | 0.047 | 2.90 | 2.90 |
| -10LT | -18T | 5.60 | 0.051 | 2.79 | 2.79 |
| -11LT | -19T | 6.80 | 0.058 | 2.61 | 2.61 |
| -12LT | -20T | 8.20 | 0.063 | 2.51 | 2.51 |
| -13LT | -21T | 10.0 | 0.071 | 2.36 | 2.36 |
| -14LT | -22T | 12.0 | 0.079 | 2.24 | 2.24 |
| -15LT | -23T | 15.0 | 0.089 | 2.11 | 2.11 |
| -16LT | -24T | 18.0 | 0.119 | 1.82 | 1.82 |
| -17LT | -25T | 22.0 | 0.152 | 1.61 | 1.61 |
| -18LT | -26T | 27.0 | 0.179 | 1.48 | 1.48 |
| -19LT | -27T | 33.0 | 0.222 | 1.33 | 1.33 |
| -20LT | -28T | 39.0 | 0.315 | 1.12 | 1.12 |
| -21LT | -29T | 47.0 | 0.362 | 1.04 | 1.04 |
| -22LT | -30T | 56.0 | 0.397 | 1.00 | 1.00 |
| -23LT | -31T | 68.0 | 0.418 | 0.97 | 0.97 |
| -24LT | -32T | 82.0 | 0.604 | 0.81 | 0.81 |
| -25LT | -33T | 100 | 0.672 | 0.76 | 0.76 |
| -26LT | -34T | 120 | 0.735 | 0.73 | 0.73 |
| -27LT | -35T | 150 | 0.998 | 0.63 | 0.63 |
| -28LT | -36T | 180 | 1.370 | 0.53 | 0.53 |
| -29LT | -37T | 220 | 1.580 | 0.50 | 0.50 |
| -30LT | -38T | 270 | 1.770 | 0.47 | 0.47 |
| -31LT | -39T | 330 | 2.510 | 0.39 | 0.39 |
| -32LT | -40T | 390 | 2.730 | 0.38 | 0.38 |
| -33LT | -41T | 470 | 3.250 | 0.35 | 0.35 |
| -34LT | -42T | 560 | 3.750 | 0.33 | 0.33 |
| -35LT | -43T | 680 | 4.310 | 0.30 | 0.30 |
| -36LT | -44T | 820 | 6.040 | 0.26 | 0.26 |
| -37LT | -45T | 1000 | 6.900 | 0.24 | 0.24 |
| -38LT | -46T | 1200 | 10.00 | 0.200 | 0.200 |
| -39LT | -47T | 1500 | 12.50 | 0.178 | 0.178 |
| -40LT | -48T | 1800 | 16.00 | 0.157 | 0.157 |
| -41LT | -49T | 2200 | 20.00 | 0.141 | 0.141 |
| -42LT | -50T | 2700 | 23.00 | 0.131 | 0.131 |
| -43LT | -51T | 3300 | 25.00 | 0.126 | 0.126 |
| -44LT | -52T | 3900 | 33.00 | 0.110 | 0.110 |
| -45LT | -53T | 4700 | 37.00 | 0.103 | 0.103 |
| -46LT | -54T | 5600 | 40.00 | 0.100 | 0.100 |
| -47LT | -55T | 6800 | 62.00 | 0.080 | 0.080 |
| -48LT | -56T | 8200 | 66.00 | 0.077 | 0.077 |
| -49LT | -57T | 10000 | 74.00 | 0.071 | 0.071 |
| -50LT | -58T | 12000 | 93.00 | 0.065 | 0.065 |
| -51LT | -59T | 15000 | 105.0 | 0.061 | 0.061 |
| -52LT | -60T | 18000 | 143.0 | 0.052 | 0.052 |
| -53LT | -61T | 22000 | 160.0 | 0.050 | 0.050 |

*Complete part # must include series # PLUS the dash #

Mechanical Configuration Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pretinned. A high resistivity ferrite core, allows for high inductance with low DC resistance.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

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

Other Similar products are found below :

[CR43NP-680KC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#) [CTX32CT-100](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHL1ECTTP18NJ](#) [MHL1JCTTD12NJ](#)
[PE-51506NL](#) [PE-53601NL](#) [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](#) [HCF1305-3R3-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](#) [1812LS-224XJ](#)