

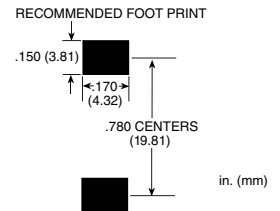
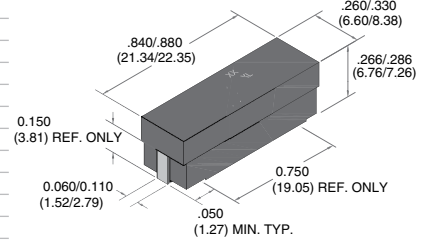
MLP8527 Power Inductors - Military Approved

M27/370 Ferrite Core



| PART NUMBER | MIL DASH NUMBER | L μ H \pm 15% @1 kHz * | DCR OHMS MAX | CURRENT RATING AMPS | INCREMENTAL CURRENT AMPS ** |
|--------------|-----------------|------------------------------|--------------|---------------------|-----------------------------|
| MLP8527-101L | 01 | 1.0 | .009 | 6.27 | 6.4 |
| MLP8527-121L | 02 | 1.2 | .010 | 5.95 | 5.8 |
| MLP8527-151L | 03 | 1.5 | .011 | 5.67 | 5.2 |
| MLP8527-181L | 04 | 1.8 | .012 | 5.43 | 4.8 |
| MLP8527-221L | 05 | 2.2 | .013 | 5.22 | 4.3 |
| MLP8527-271L | 06 | 2.7 | .014 | 5.03 | 3.9 |
| MLP8527-331L | 07 | 3.3 | .016 | 4.70 | 3.5 |
| MLP8527-391L | 08 | 3.9 | .017 | 4.56 | 3.2 |
| MLP8527-471L | 09 | 4.7 | .022 | 4.01 | 2.9 |
| MLP8527-561L | 10 | 5.6 | .024 | 3.84 | 2.7 |
| MLP8527-681L | 11 | 6.8 | .026 | 3.69 | 2.5 |
| MLP8527-821L | 12 | 8.2 | .028 | 3.55 | 2.2 |
| MLP8527-102L | 13 | 10 | .033 | 3.27 | 2.0 |
| MLP8527-122L | 14 | 12 | .037 | 3.09 | 1.8 |
| MLP8527-152L | 15 | 15 | .040 | 2.97 | 1.6 |
| MLP8527-182L | 16 | 18 | .044 | 2.84 | 1.5 |
| MLP8527-222L | 17 | 22 | .050 | 2.66 | 1.4 |
| MLP8527-272L | 18 | 27 | .070 | 2.25 | 1.2 |
| MLP8527-332L | 19 | 33 | .075 | 2.17 | 1.1 |
| MLP8527-392L | 20 | 39 | .084 | 2.05 | 1.0 |
| MLP8527-472L | 21 | 47 | .104 | 1.84 | .93 |
| MLP8527-562L | 22 | 56 | .130 | 1.65 | .85 |
| MLP8527-682L | 23 | 68 | .145 | 1.56 | .77 |
| MLP8527-822L | 24 | 82 | .152 | 1.53 | .71 |
| MLP8527-103L | 25 | 100 | .208 | 1.30 | .64 |
| MLP8527-123L | 26 | 120 | .283 | 1.12 | .58 |
| MLP8527-153L | 27 | 150 | .330 | 1.04 | .52 |
| MLP8527-183L | 28 | 180 | .362 | .99 | .48 |
| MLP8527-223L | 29 | 220 | .505 | .84 | .43 |
| MLP8527-273L | 30 | 270 | .557 | .80 | .39 |
| MLP8527-333L | 31 | 330 | .650 | .74 | .35 |
| MLP8527-393L | 32 | 390 | .770 | .68 | .32 |
| MLP8527-473L | 33 | 470 | 1.03 | .59 | .29 |
| MLP8527-563L | 34 | 560 | 1.14 | .56 | .27 |
| MLP8527-683L | 35 | 680 | 1.50 | .49 | .25 |
| MLP8527-823L | 36 | 820 | 1.98 | .42 | .22 |
| MLP8527-104L | 37 | 1000 | 2.30 | .39 | .20 |
| MLP8527-124L | 38 | 1200 | 2.55 | .37 | .18 |
| MLP8527-154L | 39 | 1500 | 3.00 | .34 | .16 |
| MLP8527-184L | 40 | 1800 | 4.00 | .30 | .15 |
| MLP8527-224L | 41 | 2200 | 4.40 | .28 | .14 |
| MLP8527-274L | 42 | 2700 | 5.80 | .25 | .12 |
| MLP8527-334L | 43 | 3300 | 6.56 | .23 | .11 |
| MLP8527-394L | 44 | 3900 | 8.63 | .20 | .10 |
| MLP8527-474L | 45 | 4700 | 10.1 | .19 | .09 |
| MLP8527-564L | 46 | 5600 | 11.2 | .18 | .09 |
| MLP8527-684L | 47 | 6800 | 15.0 | .15 | .08 |
| MLP8527-824L | 48 | 8200 | 20.8 | .13 | .07 |
| MLP8527-105L | 49 | 10000 | 23.4 | .12 | .06 |
| MLP8527-125L | 50 | 12000 | 26.0 | .12 | .06 |
| MLP8527-155L | 51 | 15000 | 36.0 | .10 | .05 |
| MLP8527-185L | 52 | 18000 | 40.0 | .09 | .05 |

MARKING: M27/370-XX (MIL DASH #)
MLP8527-XXXX
XXXXY (DATE CODE & LOT CODE)
24226



NOTES:

- Operating temperature -55°C to +130°C
- Grade 5, encapsulated
- Weight maximum 2.5 grams
- DWV 1000 Vrms @ sea level
500 Vrms @ 70,000 feet
- Rated current is based on a 45°C temperature rise at an ambient temperature of 85°C (Ferrite)
- * Measured at 1 V ac open circuit with no dc current at 1 KHz
- ** The dc current at which the inductance will decrease by a maximum of 5 percent from the inductance at zero dc current

TAPE AND REEL SPECS:

| | |
|-----------------------|-------|
| Pcs./Reel maximum: | 480 |
| Pitch between parts: | 16 mm |
| Tape width: | 44 mm |
| Reel diameter inches: | 13 |