# MLP22

TRADITIONAL Pb

## *Wirewound, High Current, Molded, MIL-PRF-27*

**M27/371 Ferrite Core**

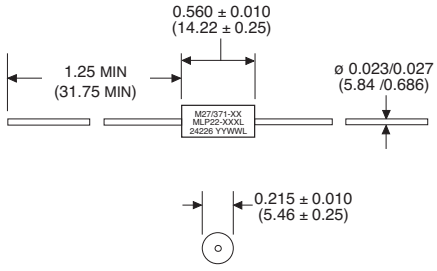
| PART NUMBER | MIL DASH NUMBER | L µH @ 1 kHz * | DCR OHMS MAX | CURRENT RATING A DC | INC I A DC |
|---|---|---|---|---|---|
| | | M27/371 FERRITE CORE | | | |
| MLP22-220L | 01 | 0.22 | 0.0080 | 7.00 | 7.00 |
| MLP22-270L | 02 | 0.27 | 0.0085 | 6.75 | 6.75 |
| MLP22-330L | 03 | 0.33 | 0.0090 | 6.50 | 6.50 |
| MLP22-390L | 04 | 0.39 | 0.0095 | 6.25 | 6.25 |
| MLP22-470L | 05 | 0.47 | 0.0100 | 6.00 | 6.00 |
| MLP22-560L | 06 | 0.56 | 0.0105 | 5.80 | 5.80 |
| MLP22-680L | 07 | 0.68 | 0.0110 | 5.70 | 5.70 |
| MLP22-820L | 08 | 0.82 | 0.0120 | 5.60 | 5.60 |
| MLP22-101L | 09 | 1.0 | 0.0130 | 5.50 | 5.50 |
| MLP22-121L | 10 | 1.2 | 0.0180 | 4.69 | 4.69 |
| MLP22-151L | 11 | 1.5 | 0.0200 | 4.45 | 4.45 |
| MLP22-181L | 12 | 1.8 | 0.0210 | 4.34 | 4.34 |
| MLP22-221L | 13 | 2.2 | 0.0290 | 3.70 | 3.70 |
| MLP22-271L | 14 | 2.7 | 0.0340 | 3.41 | 3.41 |
| MLP22-331L | 15 | 3.3 | 0.0380 | 3.23 | 3.23 |
| MLP22-391L | 16 | 3.9 | 0.0420 | 3.07 | 3.07 |
| MLP22-471L | 17 | 4.7 | 0.0470 | 2.90 | 2.90 |
| MLP22-561L | 18 | 5.6 | 0.0510 | 2.79 | 2.79 |
| MLP22-681L | 19 | 6.8 | 0.0580 | 2.61 | 2.61 |
| MLP22-821L | 20 | 8.2 | 0.0630 | 2.51 | 2.51 |
| MLP22-102L | 21 | 10 | 0.0710 | 2.36 | 2.36 |
| MLP22-122L | 22 | 12 | 0.0790 | 2.24 | 2.24 |
| MLP22-152L | 23 | 15 | 0.0890 | 2.11 | 2.11 |
| MLP22-182L | 24 | 18 | 0.1190 | 1.82 | 1.82 |
| MLP22-222L | 25 | 22 | 0.1520 | 1.61 | 1.61 |
| MLP22-272L | 26 | 27 | 0.1790 | 1.48 | 1.48 |
| MLP22-332L | 27 | 33 | 0.2220 | 1.33 | 1.33 |
| MLP22-392L | 28 | 39 | 0.3150 | 1.12 | 1.12 |
| MLP22-472L | 29 | 47 | 0.3620 | 1.04 | 1.04 |
| MLP22-562L | 30 | 56 | 0.3970 | 1.00 | 1.00 |
| MLP22-682L | 31 | 68 | 0.4180 | 0.970 | 0.970 |
| MLP22-822L | 32 | 82 | 0.6040 | 0.810 | 0.810 |
| MLP22-103L | 33 | 100 | 0.6720 | 0.760 | 0.760 |

All part numbers provide 15% tolerance on inductance

*continued next page*

* Measured with no dc current at 1 kHz

MARKING: M27/371-XX (MIL DASH NO.)
MLP22-XXXL (GOWANDA DASH NO.)
24226 (GOWANDA CAGE CODE)
YYWWL (DATE CODE & LOT SYMBOL)




**NOTES:**

- Operating Temperature Range: -55° to +130°C
- Current Rating is based on a 45°C temperature rise at an ambient temperature of 85°C
- Incremental Current is the approximate value that will cause a 5% maximum decrease in inductance at a zero dc current
- DWV 1000 Vrms @ Sea Level
  500 Vrms @ 70,000 Feet
- Grade 5, Encapsulated
- Weight maximum 2.5 grams

**TAPE AND REEL SPECS:**

| | |
|---|---|
| Pcs./Reel maximum: | 1000 |
| Pitch between parts: | 0.4 in. |
| Inside tape spacing: | 2.5 in. |
| Class: | 2 |



**One Magnetics Pkwy, Gowanda, NY 14070 • (t) 716-532-2234 • (f) 716-532-2702 • sales@gowanda.com**
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TRADITIONAL Pb

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**M27/371 Ferrite Core**

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|---|---|---|---|---|---|
| M27/371 FERRITE CORE | | | | | |
| MLP22-123L | 34 | 120 | 0.7350 | 0.730 | 0.730 |
| MLP22-153L | 35 | 150 | 0.9130 | 0.630 | 0.630 |
| MLP22-183L | 36 | 180 | 1.37 | 0.530 | 0.530 |
| MLP22-223L | 37 | 220 | 1.58 | 0.500 | 0.500 |
| MLP22-273L | 38 | 270 | 1.77 | 0.470 | 0.470 |
| MLP22-333L | 39 | 330 | 2.51 | 0.390 | 0.390 |
| MLP22-393L | 40 | 390 | 2.73 | 0.380 | 0.380 |
| MLP22-473L | 41 | 470 | 3.25 | 0.350 | 0.350 |
| MLP22-563L | 42 | 560 | 3.75 | 0.330 | 0.330 |
| MLP22-683L | 43 | 680 | 4.31 | 0.300 | 0.300 |
| MLP22-823L | 44 | 820 | 6.04 | 0.260 | 0.260 |
| MLP22-104L | 45 | 1000 | 6.90 | 0.240 | 0.240 |
| MLP22-124L | 46 | 1200 | 10.0 | 0.200 | 0.200 |
| MLP22-154L | 47 | 1500 | 12.5 | 0.178 | 0.178 |
| MLP22-184L | 48 | 1800 | 16.0 | 0.157 | 0.157 |
| MLP22-224L | 49 | 2200 | 20.0 | 0.141 | 0.141 |
| MLP22-274L | 50 | 2700 | 23.0 | 0.131 | 0.131 |
| MLP22-334L | 51 | 3300 | 25.0 | 0.126 | 0.126 |
| MLP22-394L | 52 | 3900 | 33.0 | 0.110 | 0.110 |
| MLP22-474L | 53 | 4700 | 37.0 | 0.130 | 0.103 |
| MLP22-564L | 54 | 5600 | 40.0 | 0.100 | 0.100 |
| MLP22-684L | 55 | 6800 | 62.0 | 0.080 | 0.080 |
| MLP22-824L | 56 | 8200 | 66.0 | 0.077 | 0.077 |
| MLP22-105L | 57 | 10000 | 74.0 | 0.071 | 0.071 |
| MLP22-125L | 58 | 12000 | 93.0 | 0.065 | 0.065 |
| MLP22-155L | 59 | 15000 | 105.0 | 0.061 | 0.061 |
| MLP22-185L | 60 | 18000 | 143.0 | 0.052 | 0.052 |
| MLP22-225L | 61 | 22000 | 160.0 | 0.050 | 0.050 |

All part numbers provide 15% tolerance on inductance

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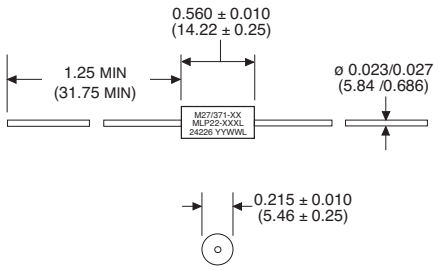


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