

**MLP22**

**Wirewound, High Current, Molded, MIL-PRF-27**
**M27/371 Ferrite Core**

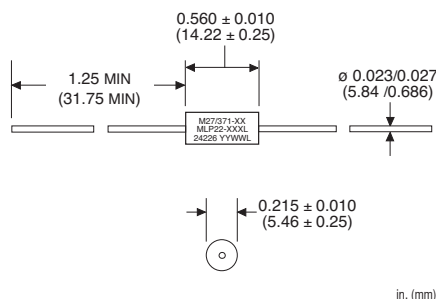

| PART NUMBER          | MIL DASH NUMBER | L $\mu$ H @ 1 kHz * | DCR OHMS MAX | CURRENT RATING A DC | INC I A DC |
|----------------------|-----------------|---------------------|--------------|---------------------|------------|
| M27/371 FERRITE CORE |                 |                     |              |                     |            |
| 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       |

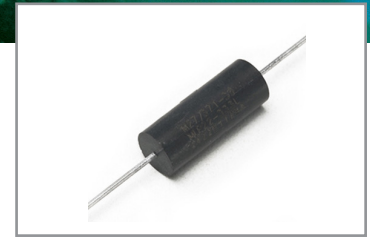
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|----------------------|-----------------|------------------------|-----------------|------------------------|---------------|
| M27/371 FERRITE CORE |                 |                        |                 |                        |               |
| 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         |

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