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## MLP5025



**Wirewound, Molded, MIL-PRF-27**

**M27/367 Ferrite Core**

**Outgassing Tested per ASTM E-595 (\*)**



| PART NUMBER          | MIL DASH NUMBER | L $\mu$ H @ I kHz * | DCR OHMS MAX | CURRENT RATING A DC | INC I A DC |
|----------------------|-----------------|---------------------|--------------|---------------------|------------|
| M27/367 FERRITE CORE |                 |                     |              |                     |            |
| MLP5025-682L         | 31              | 68                  | 0.418        | 0.970               | 0.970      |
| MLP5025-822L         | 32              | 82                  | 0.604        | 0.810               | 0.810      |
| MLP5025-103L         | 33              | 100                 | 0.672        | 0.760               | 0.760      |
| MLP5025-123L         | 34              | 120                 | 0.735        | 0.730               | 0.730      |
| MLP5025-153L         | 35              | 150                 | 0.998        | 0.630               | 0.630      |
| MLP5025-183L         | 36              | 180                 | 1.37         | 0.530               | 0.530      |
| MLP5025-223L         | 37              | 220                 | 1.58         | 0.500               | 0.500      |
| MLP5025-273L         | 38              | 270                 | 1.77         | 0.470               | 0.470      |
| MLP5025-333L         | 39              | 330                 | 2.51         | 0.390               | 0.390      |
| MLP5025-393L         | 40              | 390                 | 2.73         | 0.380               | 0.380      |
| MLP5025-473L         | 41              | 470                 | 3.25         | 0.350               | 0.350      |
| MLP5025-563L         | 42              | 560                 | 3.75         | 0.330               | 0.330      |
| MLP5025-683L         | 43              | 680                 | 4.31         | 0.300               | 0.300      |
| MLP5025-823L         | 44              | 820                 | 6.04         | 0.260               | 0.260      |
| MLP5025-104L         | 45              | 1000                | 6.90         | 0.240               | 0.240      |
| MLP5025-124L         | 46              | 1200                | 10.0         | 0.200               | 0.200      |
| MLP5025-154L         | 47              | 1500                | 12.5         | 0.178               | 0.178      |
| MLP5025-184L         | 48              | 1800                | 16.0         | 0.157               | 0.157      |
| MLP5025-224L         | 49              | 2200                | 20.0         | 0.141               | 0.141      |
| MLP5025-274L         | 50              | 2700                | 23.0         | 0.131               | 0.131      |
| MLP5025-334L         | 51              | 3300                | 25.0         | 0.126               | 0.126      |
| MLP5025-394L         | 52              | 3900                | 33.0         | 0.110               | 0.110      |
| MLP5025-474L         | 53              | 4700                | 37.0         | 0.103               | 0.103      |
| MLP5025-564L         | 54              | 5600                | 40.0         | 0.100               | 0.100      |
| MLP5025-684L         | 55              | 6800                | 62.0         | 0.080               | 0.080      |
| MLP5025-824L         | 56              | 8200                | 66.0         | 0.077               | 0.077      |
| MLP5025-105L         | 57              | 10000               | 74.0         | 0.071               | 0.071      |
| MLP5025-125L         | 58              | 12000               | 93.0         | 0.065               | 0.065      |
| MLP5025-155L         | 59              | 15000               | 105.0        | 0.061               | 0.061      |
| MLP5025-185L         | 60              | 18000               | 143.0        | 0.052               | 0.052      |
| MLP5025-225L         | 61              | 22000               | 160.0        | 0.050               | 0.050      |

All part numbers provide 15% tolerance on inductance

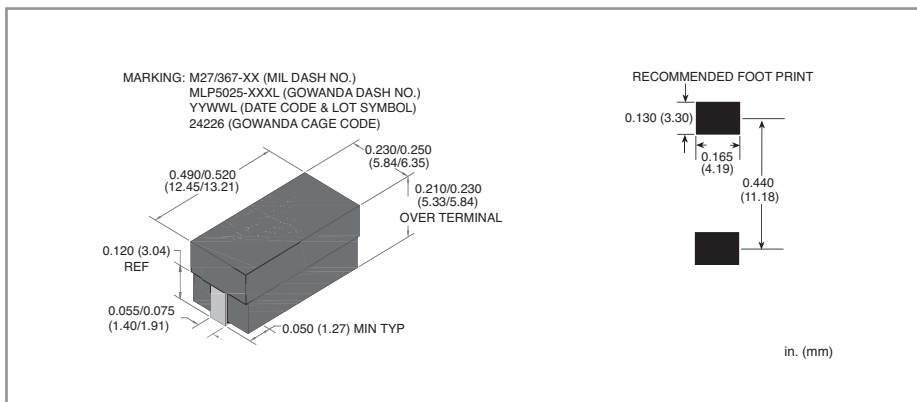
\* Measured at 1 V ac open circuit with no dc current at 1 kHz

### NOTES:

- Operating Temperature Range:  
-55°C 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 1.5 grams
- \* Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E-595; this calculation does not include WVR (Water Vapor Recovered)

### TAPE AND REEL SPECS:

|                      |        |
|----------------------|--------|
| Pcs./Reel maximum:   | 800    |
| Pitch between parts: | 12 mm  |
| Tape width:          | 24 mm  |
| Reel diameter:       | 13 in. |



## MLP5025



Wirewound, Molded, MIL-PRF-27

M27/367 Ferrite Core

Outgassing Tested per ASTM E-595 (\*)



| PART NUMBER          | MIL DASH NUMBER | L $\mu$ H @ 1 kHz * | DCR OHMS MAX | CURRENT RATING A DC | INC I A DC |
|----------------------|-----------------|---------------------|--------------|---------------------|------------|
| M27/367 FERRITE CORE |                 |                     |              |                     |            |
| MLP5025-220L         | 01              | 0.22                | 0.0080       | 7.00                | 7.00       |
| MLP5025-270L         | 02              | 0.27                | 0.0085       | 6.75                | 6.75       |
| MLP5025-330L         | 03              | 0.33                | 0.0090       | 6.50                | 6.50       |
| MLP5025-390L         | 04              | 0.39                | 0.0095       | 6.25                | 6.25       |
| MLP5025-470L         | 05              | 0.47                | 0.0100       | 6.00                | 6.00       |
| MLP5025-560L         | 06              | 0.56                | 0.0105       | 5.80                | 5.80       |
| MLP5025-680L         | 07              | 0.68                | 0.0110       | 5.70                | 5.70       |
| MLP5025-820L         | 08              | 0.82                | 0.0120       | 5.60                | 5.60       |
| MLP5025-101L         | 09              | 1.0                 | 0.0130       | 5.50                | 5.50       |
| MLP5025-121L         | 10              | 1.2                 | 0.0180       | 4.69                | 4.69       |
| MLP5025-151L         | 11              | 1.5                 | 0.0200       | 4.45                | 4.45       |
| MLP5025-181L         | 12              | 1.8                 | 0.0210       | 4.34                | 4.34       |
| MLP5025-221L         | 13              | 2.2                 | 0.0290       | 3.70                | 3.70       |
| MLP5025-271L         | 14              | 2.7                 | 0.0340       | 3.41                | 3.41       |
| MLP5025-331L         | 15              | 3.3                 | 0.0380       | 3.23                | 3.23       |
| MLP5025-391L         | 16              | 3.9                 | 0.0420       | 3.07                | 3.07       |
| MLP5025-471L         | 17              | 4.7                 | 0.0470       | 2.90                | 2.90       |
| MLP5025-561L         | 18              | 5.6                 | 0.0510       | 2.79                | 2.79       |
| MLP5025-681L         | 19              | 6.8                 | 0.0580       | 2.61                | 2.61       |
| MLP5025-821L         | 20              | 8.2                 | 0.0630       | 2.51                | 2.51       |
| MLP5025-102L         | 21              | 10                  | 0.0710       | 2.36                | 2.36       |
| MLP5025-122L         | 22              | 12                  | 0.0790       | 2.24                | 2.24       |
| MLP5025-152L         | 23              | 15                  | 0.0890       | 2.11                | 2.11       |
| MLP5025-182L         | 24              | 18                  | 0.1190       | 1.82                | 1.82       |
| MLP5025-222L         | 25              | 22                  | 0.1520       | 1.61                | 1.61       |
| MLP5025-272L         | 26              | 27                  | 0.1790       | 1.48                | 1.48       |
| MLP5025-332L         | 27              | 33                  | 0.2220       | 1.33                | 1.33       |
| MLP5025-392L         | 28              | 39                  | 0.3150       | 1.12                | 1.12       |
| MLP5025-472L         | 29              | 47                  | 0.3620       | 1.04                | 1.04       |
| MLP5025-562L         | 30              | 56                  | 0.3970       | 1.00                | 1.00       |

All part numbers provide 15% tolerance on inductance

\* Measured at 1 V ac open circuit with no dc current at 1 kHz

*continued next page*

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