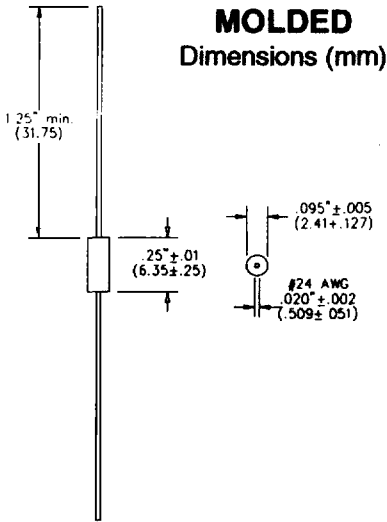


Molded
AXIAL INDUCTORS
1025M Series



STANDARD SPECIFICATIONS

| | |
|---|---|
| Operating Temperature Range | -55°C to +105°C |
| Ambient Temperature | 90°C |
| Current Rating | based on temperature rise, not to exceed 35°C |
| Dielectric Withstanding Voltage (sea level) | 1000 VRMS |
| Standard Inductance Tolerance | ±10% across inductance range |
| Packaging | bulk, or tape and reel |
| Commercial Equivalents to | MIL-C15305, MS75083, MS75084, MS75085 |

PART NUMBER INDEX

| Part Number | L (μH) | Q min. | Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | RatedDC Curr. max(mA) | Part Number | L (μH) | Q min. | Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | RatedDC Curr. max(mA) |
|-------------|--------|--------|------------------|----------------|--------------|-----------------------|-------------|--------|--------|------------------|----------------|--------------|-----------------------|
| 1025MR10K | .10 | 40 | 25 | 680 | .08 | 1350 | 1025M120K | 12 | 45 | 2.5 | 40 | 2.7 | 155 |
| 1025MR12K | .12 | 40 | 25 | 640 | .09 | 1270 | 1025M150K | 15 | 40 | 2.5 | 35 | 2.8 | 150 |
| 1025MR15K | .15 | 38 | 25 | 600 | .10 | 1200 | 1025M180K | 18 | 50 | 2.5 | 30 | 3.1 | 145 |
| 1025MR18K | .18 | 35 | 25 | 550 | .12 | 1105 | 1025M220K | 22 | 50 | 2.5 | 25 | 3.3 | 140 |
| 1025MR22K | .22 | 33 | 25 | 510 | .14 | 1025 | 1025M270K | 27 | 50 | 2.5 | 20 | 3.5 | 135 |
| 1025MR27K | .27 | 33 | 25 | 430 | .16 | 960 | 1025M330K | 33 | 45 | 2.5 | 24 | 3.4 | 130 |
| 1025MR33K | .33 | 30 | 25 | 410 | .22 | 815 | 1025M390K | 39 | 45 | 2.5 | 22 | 3.6 | 125 |
| 1025MR39K | .39 | 30 | 25 | 365 | .30 | 700 | 1025M470K | 47 | 45 | 2.5 | 20 | 4.5 | 110 |
| 1025MR47K | .47 | 30 | 25 | 330 | .35 | 650 | 1025M560K | 56 | 45 | 2.5 | 18 | 5.7 | 100 |
| 1025MR56K | .56 | 30 | 25 | 300 | .50 | 545 | 1025M680K | 68 | 50 | 2.5 | 15 | 6.7 | 92 |
| 1025MR68K | .68 | 28 | 25 | 275 | .60 | 495 | 1025M820K | 82 | 50 | 2.5 | 14 | 7.3 | 88 |
| 1025MR82K | .82 | 28 | 25 | 250 | .85 | 415 | 1025M101K | 100 | 50 | 2.5 | 13 | 8.0 | 84 |
| 1025M1R0K | 1.0 | 25 | 25 | 230 | 1.0 | 385 | 1025M121K | 120 | 30 | .79 | 12 | 13.0 | 66 |
| 1025M1R2K | 1.2 | 25 | 7.9 | 150 | .18 | 590 | 1025M151K | 150 | 30 | .79 | 11 | 15.0 | 61 |
| 1025M1R5K | 1.5 | 28 | 7.9 | 140 | .22 | 535 | 1025M181K | 180 | 30 | .79 | 10 | 17.0 | 57 |
| 1025M1R8K | 1.8 | 30 | 7.9 | 125 | .30 | 455 | 1025M221K | 220 | 30 | .79 | 9.0 | 21.0 | 52 |
| 1025M2R2K | 2.2 | 30 | 7.9 | 115 | .40 | 395 | 1025M271K | 270 | 30 | .79 | 8.0 | 25.0 | 47 |
| 1025M2R7K | 2.7 | 37 | 7.9 | 100 | .55 | 355 | 1025M331K | 330 | 30 | .79 | 7.0 | 28.0 | 45 |
| 1025M3R3K | 3.3 | 45 | 7.9 | 90 | .85 | 270 | 1025M391K | 390 | 30 | .79 | 6.5 | 35.0 | 40 |
| 1025M3R9K | 3.9 | 45 | 7.9 | 80 | 1.0 | 250 | 1025M471K | 470 | 30 | .79 | 6.0 | 42.0 | 36 |
| 1025M4R7K | 4.7 | 45 | 7.9 | 75 | 1.2 | 230 | 1025M561K | 560 | 30 | .79 | 5.0 | 46.0 | 35 |
| 1025M5R6K | 5.6 | 50 | 7.9 | 65 | 1.8 | 185 | 1025M681K | 680 | 30 | .79 | 4.0 | 60.0 | 30 |
| 1025M6R8K | 6.8 | 50 | 7.9 | 60 | 2.0 | 175 | 1025M821K | 820 | 30 | .79 | 3.8 | 65.0 | 29 |
| 1025M8R2K | 8.2 | 55 | 7.9 | 55 | 2.7 | 155 | 1025M102K | 1000 | 30 | .79 | 3.4 | 72.0 | 28 |
| 1025M100K | 10 | 55 | 7.9 | 50 | 3.7 | 130 | | | | | | | |

Letter suffix on part number denotes tolerance: M = ±20%
K = ±10%
J = ±5%

All specifications subject to change without notice

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