

MOLDED AXIAL INDUCTOR

Commercial/Mil-Spec Equivalent MA1537 Series

Part Numbering Guide

| | | | | | |
|-----------------------------------|--|-----------------------|--|---|---|
| BODY STYLE Molded Axial | MA 1537 - 47 J - T&R | | | PACKAGING Blank=Bulk *T&R=Tape and Reel (pg. 001) | MIL-SPEC EQUIVALENTS MIL-C-15305 MS18130 (0.15uH to 4.7uH) MS14046 (5.6uH to 33uH) MS90538 (36uH to 240uH) |
| | BODY SIZE 3.96mm x 9.53mm (0.156" x 0.375") | VALUE in uH | TOLERANCE M= +/-20% K= +/-10% J= +/-5% | | |

*Standard

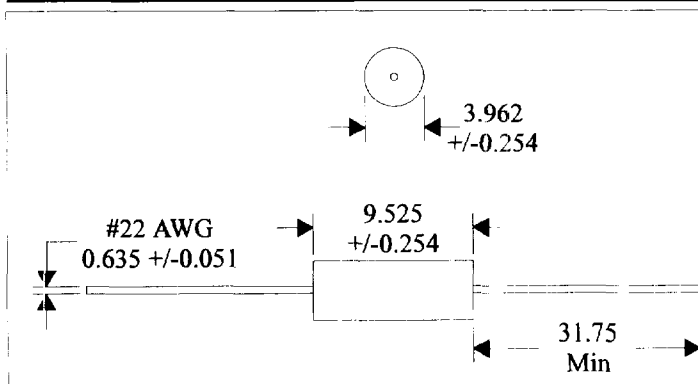
Standard Specifications

| | |
|-----------------------------|---|
| Operating Temperature Range | 0.15uH to 4.7uH -55°C to +125°C, 5.6uH to 240uH -55°C to +105°C |
| Maximum Power Dissipation | 0.15W (.15uH - 4.7uH), .312W (5.6uH - 33uH), .134W (36uH - 240uH) |
| Construction | Epoxy Molded; Unshielded |
| Weight | 0.90 Grams Maximum |

Ordering Information

| Ecliptek Part Number | L (uH) | Q (Min) | Test Freq (MHz) | SRF Min. (MHz) | DCR Max. (ohms) | Rated DC Curr. (mA) | Core Mat. | Ecliptek Part Number | L (uH) | Q (Min) | Test Freq (MHz) | SRF Min. (MHz) | DCR Max. (ohms) | Rated DC Curr. (mA) | Core Mat. |
|----------------------|--------|---------|-----------------|----------------|-----------------|---------------------|-----------|----------------------|--------|---------|-----------------|----------------|-----------------|---------------------|-----------|
| MA1537-15M | 0.15 | 50 | 25 | 525 | 0.03 | 2450 | Phen. | MA1537-24J | 24 | 60 | 2.5 | 27 | 2.2 | 190 | Iron |
| MA1537-22M | 0.22 | 50 | 25 | 450 | 0.055 | 1810 | Phen. | MA1537-27J | 27 | 60 | 2.5 | 25 | 2.6 | 170 | Iron |
| MA1537-33M | 0.33 | 45 | 25 | 360 | 0.09 | 1400 | Phen. | MA1537-30J | 30 | 70 | 2.5 | 20 | 2.8 | 167 | Iron |
| MA1537-47M | 0.47 | 45 | 25 | 310 | 0.12 | 1225 | Phen. | MA1537-33J | 33 | 65 | 2.5 | 19 | 3.0 | 165 | Iron |
| MA1537-56K | 0.56 | 50 | 25 | 280 | 0.135 | 1150 | Phen. | MA1537-36J | 36 | 60 | 2.5 | 15.5 | 2.5 | 180 | Iron |
| MA1537-68K | 0.68 | 50 | 25 | 250 | 0.15 | 1100 | Phen. | MA1537-39J | 39 | 60 | 2.5 | 14.5 | 2.6 | 176 | Iron |
| MA1537-82K | 0.82 | 50 | 25 | 220 | 0.22 | 900 | Phen. | MA1537-47J | 47 | 55 | 2.5 | 13 | 2.75 | 170 | Iron |
| MA1537-1.0K | 1.0 | 50 | 25 | 200 | 0.29 | 785 | Phen. | MA1537-51J | 51 | 55 | 2.5 | 12.7 | 2.85 | 167 | Iron |
| MA1537-1.2K | 1.2 | 33 | 7.9 | 180 | 0.42 | 650 | Phen. | MA1537-56J | 56 | 55 | 2.5 | 12 | 3.0 | 164 | Iron |
| MA1537-1.5K | 1.5 | 33 | 7.9 | 160 | 0.50 | 600 | Phen. | MA1537-62J | 62 | 55 | 2.5 | 11.5 | 3.15 | 160 | Iron |
| MA1537-1.8K | 1.8 | 33 | 7.9 | 150 | 0.65 | 525 | Phen. | MA1537-68J | 68 | 55 | 2.5 | 11 | 3.3 | 156 | Iron |
| MA1537-2.2K | 2.2 | 33 | 7.9 | 135 | 0.95 | 435 | Phen. | MA1537-75J | 75 | 55 | 2.5 | 10.5 | 3.7 | 147 | Iron |
| MA1537-2.7K | 2.7 | 33 | 7.9 | 120 | 1.2 | 385 | Phen. | MA1537-82J | 82 | 50 | 2.5 | 10.3 | 3.9 | 143 | Iron |
| MA1537-3.3K | 3.3 | 33 | 7.9 | 110 | 2.0 | 300 | Phen. | MA1537-91J | 91 | 50 | 2.5 | 10 | 4.3 | 136 | Iron |
| MA1537-3.9K | 3.9 | 33 | 7.9 | 100 | 2.3 | 280 | Phen. | MA1537-100J | 100 | 50 | 2.5 | 9.5 | 4.5 | 133 | Iron |
| MA1537-4.7K | 4.7 | 33 | 7.9 | 90 | 2.6 | 260 | Phen. | MA1537-110J | 110 | 60 | 0.79 | 8.9 | 4.9 | 128 | Iron |
| MA1537-5.6K | 5.6 | 45 | 7.9 | 60 | 0.32 | 495 | Iron | MA1537-120J | 120 | 65 | 0.79 | 8.7 | 5.2 | 124 | Iron |
| MA1537-6.8K | 6.8 | 50 | 7.9 | 55 | 0.50 | 395 | Iron | MA1537-130J | 130 | 65 | 0.79 | 8.5 | 5.45 | 121 | Iron |
| MA1537-8.2K | 8.2 | 50 | 7.9 | 50 | 0.60 | 360 | Iron | MA1537-150J | 150 | 65 | 0.79 | 8.0 | 6.0 | 114 | Iron |
| MA1537-10K | 10 | 55 | 7.9 | 45 | 0.90 | 290 | Iron | MA1537-160J | 160 | 65 | 0.79 | 7.5 | 6.4 | 111 | Iron |
| MA1537-12K | 12 | 65 | 2.5 | 42 | 1.1 | 265 | Iron | MA1537-180J | 180 | 65 | 0.79 | 7.0 | 6.75 | 108 | Iron |
| MA1537-15K | 15 | 65 | 2.5 | 40 | 1.4 | 240 | Iron | MA1537-200J | 200 | 65 | 0.79 | 6.5 | 7.1 | 106 | Iron |
| MA1537-18K | 18 | 75 | 2.5 | 34 | 2.25 | 185 | Iron | MA1537-220J | 220 | 65 | 0.79 | 6.2 | 7.45 | 103 | Iron |
| MA1537-20K | 20 | 75 | 2.5 | 34 | 2.3 | 182 | Iron | MA1537-240J | 240 | 65 | 0.79 | 5.9 | 7.8 | 101 | Iron |
| MA1537-22K | 22 | 75 | 2.5 | 30 | 2.5 | 175 | Iron | | | | | | | | |

Dimensions in Millimeters



| METRIC CONVERSION |
|-------------------|
| 31.75mm=1.250" |
| 9.525mm=0.375" |
| 3.962mm=0.156" |
| 0.635mm=0.025" |
| 0.254mm=0.010" |
| 0.051mm=0.002" |

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Specifications Subject To Change Without Notice.

Contact Factory For Latest Revision or use

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