

Molded Inductors, Axial Leads



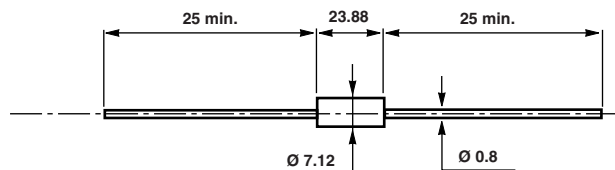
FEATURES

- Accurate dimensions
- Superior moisture protection
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

These inductors have copper winding on magnetic core structure.

DIMENSIONS in millimeters (± 0.5)



STANDARD ELECTRICAL SPECIFICATIONS

| MODEL | INDUCTANCE RANGE μH | RATED POWER $P_{70^\circ\text{C}}$ W | LIMITING ELEMENT VOLTAGE V_{RMS} | TOLERANCE (1) $\pm \%$ | Q RANGE | I RANGE mA |
|-------|--------------------------------|--------------------------------------|---|------------------------|----------|-------------|
| TR026 | 1.2 to 1000 | 0.750 | 500 | 10 | 35 to 80 | 170 to 3150 |

MECHANICAL SPECIFICATIONS

| | |
|---------|--------------|
| Coating | Molded epoxy |
| Weight | 3.5 g |

PACKAGING

Standard: tape and reel 500 pieces, code R10 (R)
On request: 250 pieces tape in box "ammopack", code A15 (B)

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------------|----------------|
| Operating temperature range | 0 °C to +70 °C |
| Temperature limits | -55 °C +125 °C |

MARKING

Standard:
print marked-manufacturer, inductance value, tolerance

ORDERING INFORMATION (part number)

| | | | | | | | | | | | | | | | | | |
|-------|---|-------|---|---|---|---|---|---|----------------|---|--|--|--|------------------------------|--|--|--|
| T | R | 0 | 2 | 6 | 1 | R | 5 | K | R | 1 | 0 | | | | | | |
| MODEL | | STYLE | | | | VALUE | | | TOLERANCE | | PACKAGING | | | SPECIAL | | | |
| TR | | 026 | | | | From 1.2 μH to 1000 μH 1R5 = 1.5 μH | | | K: $\pm 10 \%$ | | R10 = reel 500 pieces On request: A15 = ammopack 250 pieces | | | Special code given by Vishay | | | |

PART NUMBER DESCRIPTION (for information only)

| | | | | | | |
|-------|-------|-------------------|-----------|-----------|---------|----------------|
| TR | 026 | 1.5 μH | 10 % | R | | e1 |
| MODEL | STYLE | VALUE | TOLERANCE | PACKAGING | SPECIAL | LEAD (Pb)-FREE |



| STANDARD VALUES | | | | | | |
|------------------------|----------------|-----------|-----------------------|-------------------------|--------------------|-----------------|
| INDUCTANCE VALUE μH | TOLERANCE % | Q MIN. | TEST FREQUENCY MHz | RESISTANCE MAX. Ω | SRF MIN. MHz | I MAX. mA |
| 1.2 | ± 10 % | 45 | 7.9 | 0.075 | 170 | 3150 |
| 1.5 | ± 10 % | 45 | 7.9 | 0.090 | 160 | 2850 |
| 1.8 | ± 10 % | 45 | 7.9 | 0.135 | 140 | 2350 |
| 2.2 | ± 10 % | 45 | 7.9 | 0.160 | 125 | 2170 |
| 2.7 | ± 10 % | 45 | 7.9 | 0.220 | 115 | 1850 |
| 3.3 | ± 10 % | 45 | 7.9 | 0.330 | 100 | 1500 |
| 3.9 | ± 10 % | 45 | 7.9 | 0.450 | 95 | 1290 |
| 4.7 | ± 10 % | 45 | 7.9 | 0.560 | 90 | 1160 |
| 5.6 | ± 10 % | 45 | 7.9 | 0.745 | 80 | 1005 |
| 6.8 | ± 10 % | 45 | 7.9 | 1.05 | 75 | 845 |
| 8.2 | ± 10 % | 45 | 7.9 | 1.40 | 68 | 720 |
| 10 | ± 10 % | 45 | 7.9 | 1.90 | 60 | 630 |
| 12 | ± 10 % | 35 | 2.5 | 2.65 | 53 | 530 |
| 15 | ± 10 % | 35 | 2.5 | 3.25 | 50 | 480 |
| 18 | ± 10 % | 35 | 2.5 | 4.15 | 45 | 425 |
| 22 | ± 10 % | 40 | 2.5 | 0.295 | 25 | 1600 |
| 27 | ± 10 % | 50 | 2.5 | 0.32 | 26 | 1530 |
| 33 | ± 10 % | 50 | 2.5 | 0.45 | 24 | 1290 |
| 39 | ± 10 % | 50 | 2.5 | 0.65 | 22 | 1070 |
| 47 | ± 10 % | 60 | 2.5 | 0.85 | 20 | 940 |
| 56 | ± 10 % | 60 | 2.5 | 1.1 | 18 | 825 |
| 68 | ± 10 % | 65 | 2.5 | 1.6 | 16 | 685 |
| 82 | ± 10 % | 65 | 2.5 | 2 | 15 | 610 |
| 100 | ± 10 % | 70 | 2.5 | 2.5 | 14 | 545 |
| 120 | ± 10 % | 70 | 0.79 | 3.7 | 13 | 450 |
| 150 | ± 10 % | 80 | 0.79 | 4.2 | 11 | 420 |
| 180 | ± 10 % | 80 | 0.79 | 4.5 | 10 | 405 |
| 220 | ± 10 % | 80 | 0.79 | 5 | 9 | 385 |
| 270 | ± 10 % | 80 | 0.79 | 6.5 | 8 | 340 |
| 330 | ± 10 % | 70 | 0.79 | 7.5 | 7.4 | 315 |
| 390 | ± 10 % | 60 | 0.79 | 8.5 | 7 | 295 |
| 470 | ± 10 % | 65 | 0.79 | 11.5 | 6.8 | 255 |
| 570 | ± 10 % | 65 | 0.79 | 13.5 | 6.5 | 235 |
| 680 | ± 10 % | 60 | 0.79 | 15.2 | 5.8 | 220 |
| 820 | ± 10 % | 65 | 0.79 | 22 | 5 | 180 |
| 1000 | ± 10 % | 65 | 0.79 | 25 | 4.7 | 170 |



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