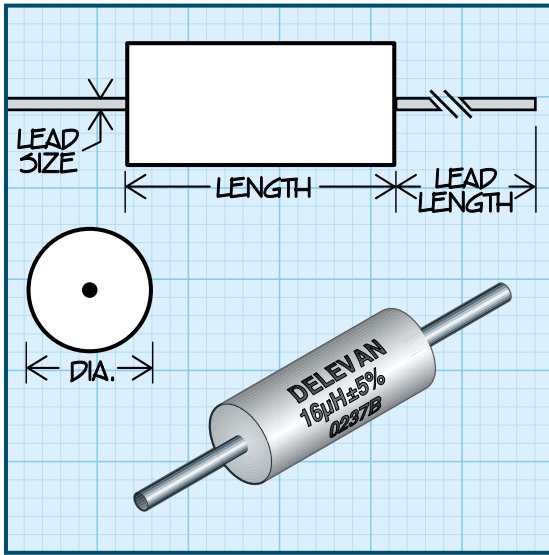


Molded Unshielded RF Coils



Physical Parameters

| | Inches | Millimeters |
|-------------|---------------|---------------|
| Length | 0.250 ± 0.010 | 6.35 ± 0.25 |
| Diameter | 0.095 ± 0.010 | 2.41 ± 0.25 |
| Lead Size | | |
| AWG #24 TCW | 0.020± 0.0015 | 0.508 ± 0.038 |
| Lead Length | 1.5 ± 0.12 | 38.1 ± 3.05 |

Current Rating at 90°C Ambient

LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range

LT4K -55°C to + 125°C
LT10K -55°C to + 105°C

Maximum Power Dissipation at 90°C

Phenolic: LT4K 0.21 W
Iron: LT10K 0.09 W
Ferrite: LT10K 0.073 W

Weight Max. (Grams) 0.3

Packaging Tape & reel: 12" reel, 3500 pieces max.;
14" reel, 6000 pieces max. For additional packaging
options, see technical section.

Made in the U.S.A.

DASH NUMBER*

INDUCTANCE
(µH) ±5%

Q MINIMUM

TEST FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE
MAXIMUM (OHMS)

CURRENT RATING
MAXIMUM (mA)

SERIES 1782 PHENOLIC CORE (LT4K)

| | | | | | | |
|------|------|----|------|-----|------|------|
| -95J | 0.11 | 40 | 25.0 | 640 | 0.09 | 1270 |
| -97J | 0.13 | 38 | 25.0 | 600 | 0.10 | 1200 |
| -02J | 0.16 | 35 | 25.0 | 550 | 0.12 | 1105 |
| -03J | 0.20 | 33 | 25.0 | 510 | 0.14 | 1025 |
| -05J | 0.24 | 33 | 25.0 | 430 | 0.16 | 960 |
| -07J | 0.30 | 30 | 25.0 | 410 | 0.22 | 815 |
| -09J | 0.36 | 30 | 25.0 | 365 | 0.30 | 700 |
| -11J | 0.43 | 30 | 25.0 | 330 | 0.35 | 650 |
| -13J | 0.51 | 30 | 25.0 | 300 | 0.50 | 545 |
| -15J | 0.62 | 28 | 25.0 | 275 | 0.60 | 495 |
| -17J | 0.75 | 28 | 25.0 | 250 | 0.85 | 415 |
| -19J | 0.91 | 25 | 25.0 | 230 | 1.00 | 385 |

SERIES 1782 IRON CORE (LT10K)

| | | | | | | |
|------|------|----|-----|-----|------|-----|
| -21J | 1.10 | 25 | 7.9 | 150 | 0.18 | 590 |
| -23J | 1.30 | 25 | 7.9 | 140 | 0.22 | 535 |
| -25J | 1.60 | 28 | 7.9 | 125 | 0.30 | 455 |
| -27J | 2.00 | 30 | 7.9 | 115 | 0.40 | 395 |
| -29J | 2.40 | 30 | 7.9 | 100 | 0.55 | 335 |
| -31J | 3.00 | 37 | 7.9 | 90 | 0.85 | 270 |
| -33J | 3.60 | 45 | 7.9 | 80 | 1.00 | 250 |
| -35J | 4.30 | 45 | 7.9 | 75 | 1.20 | 230 |
| -37J | 5.10 | 45 | 7.9 | 65 | 1.80 | 185 |
| -39J | 6.20 | 50 | 7.9 | 60 | 2.00 | 175 |
| -41J | 7.50 | 50 | 7.9 | 55 | 2.70 | 155 |
| -43J | 9.10 | 55 | 7.9 | 50 | 3.70 | 130 |
| -45J | 11.0 | 45 | 2.5 | 40 | 2.70 | 155 |
| -47J | 13.0 | 40 | 2.5 | 35 | 2.80 | 150 |
| -49J | 16.0 | 40 | 2.5 | 30 | 3.10 | 145 |
| -51J | 20.0 | 50 | 2.5 | 25 | 3.30 | 140 |
| -53J | 24.0 | 50 | 2.5 | 20 | 3.50 | 135 |

SERIES 1782 FERRITE CORE (LT10K)

| | | | | | | |
|------|-------|----|-------|-----|------|-----|
| -55J | 30.0 | 45 | 2.5 | 20 | 3.40 | 130 |
| -57J | 36.0 | 45 | 2.5 | 22 | 3.60 | 125 |
| -59J | 43.0 | 45 | 2.5 | 20 | 4.50 | 110 |
| -61J | 51.0 | 45 | 2.5 | 18 | 5.70 | 100 |
| -63J | 62.0 | 45 | 2.5 | 15 | 6.70 | 92 |
| -65J | 75.0 | 50 | 2.5 | 14 | 7.30 | 88 |
| -67J | 91.0 | 50 | 2.5 | 13 | 8.00 | 84 |
| -69J | 110.0 | 30 | 0.790 | 12 | 13.0 | 66 |
| -71J | 130.0 | 30 | 0.790 | 11 | 15.0 | 61 |
| -73J | 160.0 | 30 | 0.790 | 10 | 17.0 | 57 |
| -75J | 200.0 | 30 | 0.790 | 9.0 | 21.0 | 52 |
| -77J | 240.0 | 30 | 0.790 | 8.0 | 25.0 | 47 |
| -79J | 300.0 | 30 | 0.790 | 7.0 | 28.0 | 45 |
| -81J | 360.0 | 30 | 0.790 | 6.5 | 35.0 | 40 |
| -83J | 430.0 | 30 | 0.790 | 6.0 | 42.0 | 36 |
| -85J | 510.0 | 30 | 0.790 | 5.0 | 46.0 | 35 |
| -87J | 620.0 | 30 | 0.790 | 4.0 | 60.0 | 30 |
| -89J | 750.0 | 30 | 0.790 | 3.8 | 65.0 | 29 |
| -91J | 910.0 | 30 | 0.790 | 3.4 | 72.0 | 28 |

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For further surface finish information,
refer to TECHNICAL section of this catalog.