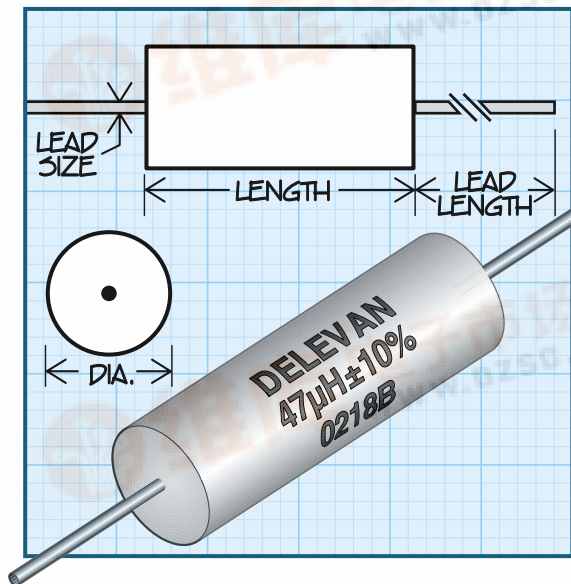


# Series 2890R 2890

查询"2890-18K"供应商  
Molded Unshielded RF Coils

RoHS  
Compliant

MILITARY  
QPL  
APPROVED



## Military Specifications

MS91189 (LT4K); MS75103(LT10K)

## Physical Parameters

|             | Inches        | Millimeters   |
|-------------|---------------|---------------|
| Length      | 0.900 ± 0.010 | 22.86 ± 0.25  |
| Diameter    | 0.280 ± 0.010 | 7.11 ± 0.25   |
| Lead Size   |               |               |
| AWG #21 TCW | 0.028 ± 0.002 | 0.711 ± 0.051 |
| Lead Length | 1.44 ± 0.12   | 36.58 ± 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

LT4K 0.598 W

LT10K 0.256 W

Weight Max. (Grams) 3.9

**Packaging** Tape & reel: 12" reel, 800 pieces max.;  
14" reel, 1300 pieces max. For additional packaging  
options, see technical section.

Made in the U.S.A.

DASH NUMBER\*

MIL DASH #

INDUCTANCE  
(µH) ±10%

Q MINIMUM

TEST FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAXIMUM (mA)

| MS91189- SERIES 2890 PHENOLIC CORE (LT4K) |    |      |    |     |     |       |      |
|-------------------------------------------|----|------|----|-----|-----|-------|------|
| -00K                                      | 14 | 1.2  | 60 | 7.9 | 170 | 0.075 | 2400 |
| -02K                                      | 15 | 1.5  | 60 | 7.9 | 160 | 0.090 | 2190 |
| -03K                                      | 16 | 1.8  | 60 | 7.9 | 140 | 0.135 | 1790 |
| -04K                                      | 17 | 2.2  | 60 | 7.9 | 125 | 0.160 | 1640 |
| -06K                                      | 18 | 2.7  | 60 | 7.9 | 115 | 0.220 | 1400 |
| -08K                                      | 19 | 3.3  | 60 | 7.9 | 100 | 0.305 | 1190 |
| -10K                                      | 20 | 3.9  | 60 | 7.9 | 95  | 0.450 | 980  |
| -12K                                      | 21 | 4.7  | 60 | 7.9 | 90  | 0.560 | 880  |
| -14K                                      | 22 | 5.6  | 60 | 7.9 | 80  | 0.745 | 760  |
| -16K                                      | 23 | 6.8  | 60 | 7.9 | 75  | 1.05  | 640  |
| -18K                                      | 24 | 8.2  | 60 | 7.9 | 68  | 1.40  | 555  |
| -20K                                      | 25 | 10.0 | 60 | 7.9 | 60  | 1.90  | 475  |
| -22K                                      | 26 | 12.0 | 40 | 2.5 | 53  | 2.65  | 405  |
| -24K                                      | 27 | 15.0 | 40 | 2.5 | 50  | 3.25  | 365  |
| -26K                                      | 28 | 18.0 | 40 | 2.5 | 45  | 4.15  | 320  |

| MS75103- SERIES 2890 IRON CORE (LT10K) |    |       |    |      |    |       |     |
|----------------------------------------|----|-------|----|------|----|-------|-----|
| -28K                                   | 1  | 22.0  | 50 | 2.5  | 24 | 0.295 | 815 |
| -30K                                   | 2  | 27.0  | 45 | 2.5  | 22 | 0.35  | 750 |
| -32K                                   | 3  | 33.0  | 60 | 2.5  | 19 | 0.55  | 595 |
| -34K                                   | 4  | 39.0  | 55 | 2.5  | 18 | 0.65  | 550 |
| -36K                                   | 5  | 47.0  | 65 | 2.5  | 16 | 1.00  | 445 |
| -38K                                   | 6  | 56.0  | 65 | 2.5  | 14 | 1.15  | 410 |
| -39K                                   | 7  | 68.0  | 75 | 2.5  | 13 | 1.85  | 325 |
| -40K                                   | 8  | 82.0  | 75 | 2.5  | 12 | 2.10  | 305 |
| -42K                                   | 9  | 100.0 | 75 | 2.5  | 12 | 2.50  | 279 |
| -44K                                   | 10 | 120.0 | 95 | 0.79 | 10 | 4.10  | 219 |

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% 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.

RF INDUCTORS

