

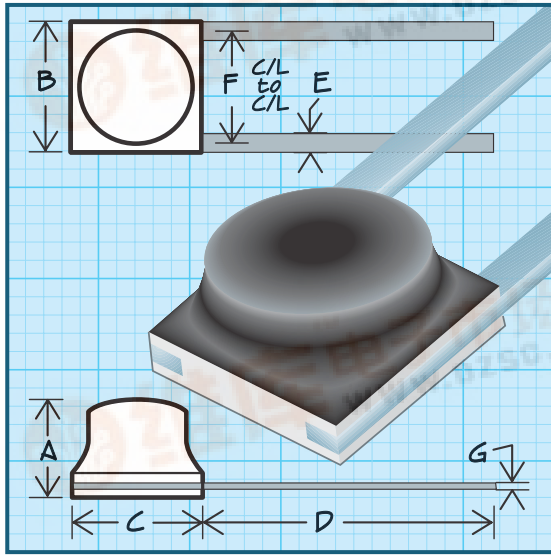
# Series 100R

RoHS Compliant

MILITARY QPL APPROVED

查询"100R-472K"供应商

## Micro I<sup>®</sup> Ribbon-Lead Inductors



### Military Specifications MS21367 (LT10K)

#### Physical Parameters

|   | Inches               | Millimeters       |
|---|----------------------|-------------------|
| A | 0.065 Max.           | 1.65 Max.         |
| B | 0.100 ± 0.010        | 2.54 ± 0.254      |
| C | 0.100 ± 0.010        | 2.54 ± 0.254      |
| D | 0.210 Min.           | 5.33 Min.         |
| E | 0.012 ± 0.002 (Typ.) | 0.30 ± 0.05       |
| F | 0.095 ± 0.015        | 2.41 ± 0.381      |
| G | 0.002 +0.001-0.000   | 0.05 +0.025-0.000 |

**Weight Max.** (Grams) 0.03

**Current Rating at 90°C Ambient** 15°C Rise

**Operating Temperature Range** -55°C to +105°C

**Maximum Power Dissipation at 90°C** 0.0205-Watts

**Notes** 1) L, Q and SRF measured on Boonton Q and RX meters using special test fixtures. Details for fixtures available. 2) Part number and quantity will appear on package as units are too small for legible marking.

**Core Material** Iron (LT10K)

**Mechanical Configuration** 1) Units are epoxy encapsulated. 2) Leads are tin/lead plated Beryllium Copper 3) Gold Plated leads available on special order. 4) RoHS compliant part available by ordering 100R Series.

**Packaging** Bulk only

**Made In the U.S.A. Patent Protected**

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.

### MS21367- SERIES 100 IRON CORE (LT10K)

| DASH NUMBER* | MIL DASH # | INDUCTANCE (μH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAX. (mA) |
|--------------|------------|-----------------|-----------|-----------|----------------------|-------------------|------------------------------|--------------------------|
| -150N        | 1          | 0.015           | ±30%      | 40        | 50.0                 | 250               | 0.065                        | 492                      |
| -220N        | 2          | 0.022           | ±30%      | 40        | 50.0                 | 250               | 0.090                        | 418                      |
| -330N        | 3          | 0.033           | ±30%      | 40        | 50.0                 | 250               | 0.115                        | 370                      |
| -470N        | 4          | 0.047           | ±30%      | 40        | 50.0                 | 250               | 0.120                        | 360                      |
| -680N        | 5          | 0.068           | ±30%      | 40        | 50.0                 | 250               | 0.150                        | 324                      |
| -101N        | 6          | 0.100           | ±30%      | 40        | 50.0                 | 250               | 0.170                        | 304                      |
| -121M        | 7          | 0.12            | ±20%      | 35        | 25.0                 | 250               | 0.140                        | 335                      |
| -151M        | 8          | 0.15            | ±20%      | 40        | 25.0                 | 250               | 0.160                        | 313                      |
| -181M        | 9          | 0.18            | ±20%      | 40        | 25.0                 | 250               | 0.190                        | 287                      |
| -221M        | 10         | 0.22            | ±20%      | 40        | 25.0                 | 250               | 0.21                         | 274                      |
| -271M        | 11         | 0.27            | ±20%      | 40        | 25.0                 | 250               | 0.24                         | 256                      |
| -331M        | 12         | 0.33            | ±20%      | 40        | 25.0                 | 250               | 0.25                         | 251                      |
| -391M        | 13         | 0.39            | ±20%      | 40        | 25.0                 | 200               | 0.28                         | 237                      |
| -471M        | 14         | 0.47            | ±20%      | 40        | 25.0                 | 175               | 0.31                         | 225                      |
| -561M        | 15         | 0.56            | ±20%      | 40        | 25.0                 | 170               | 0.45                         | 185                      |
| -681M        | 16         | 0.68            | ±20%      | 40        | 25.0                 | 165               | 0.62                         | 159                      |
| -821M        | 17         | 0.82            | ±20%      | 35        | 25.0                 | 160               | 0.65                         | 155                      |
| -102M        | 18         | 1.00            | ±20%      | 35        | 25.0                 | 135               | 0.73                         | 145                      |
| -122K        | 19         | 1.20            | ±10%      | 35        | 7.9                  | 120               | 1.00                         | 125                      |
| -152K        | 20         | 1.50            | ±10%      | 32        | 7.9                  | 110               | 1.20                         | 114                      |
| -182K        | 21         | 1.80            | ±10%      | 32        | 7.9                  | 95                | 1.50                         | 102                      |
| -222K        | 22         | 2.20            | ±10%      | 35        | 7.9                  | 80                | 1.70                         | 96                       |
| -272K        | 23         | 2.70            | ±10%      | 35        | 7.9                  | 70                | 2.00                         | 89                       |
| -332K        | 24         | 3.30            | ±10%      | 37        | 7.9                  | 65                | 2.20                         | 84                       |
| -392K        | 25         | 3.90            | ±10%      | 37        | 7.9                  | 60                | 2.80                         | 75                       |
| -472K        | 26         | 4.70            | ±10%      | 40        | 7.9                  | 55                | 3.10                         | 71                       |
| -562K        | 27         | 5.60            | ±10%      | 40        | 7.9                  | 50                | 3.30                         | 69                       |
| -682K        | 28         | 6.80            | ±10%      | 40        | 7.9                  | 45                | 3.80                         | 64                       |
| -822K        | 29         | 8.20            | ±10%      | 40        | 7.9                  | 43                | 5.00                         | 56                       |
| -103K        | 30         | 10.0            | ±10%      | 40        | 7.9                  | 40                | 5.60                         | 53                       |