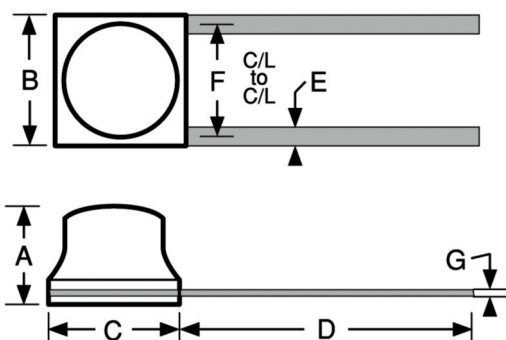
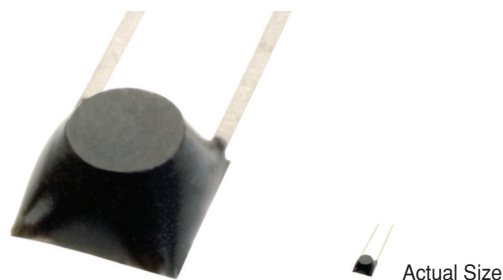


**SERIES****100R  
100**RoHS  
CompliantTraditional  
First Quality**Micro i® Ribbon-Lead Inductors****Military Specifications MS21367 (LT10K)****Physical Parameters**

|   | 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.**

| DASH NUMBER*                                  | MIL DASH # | INDUCTANCE (μH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|-----------------------------------------------|------------|-----------------|-----------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
| <b>MS21367 - SERIES 100 IRON CORE (LT10K)</b> |            |                 |           |           |                      |                   |                              |                             |
| -150N                                         | 01         | 0.015           | ±30%      | 40        | 50.0                 | 250               | 0.065                        | 492                         |
| -220N                                         | 02         | 0.022           | ±30%      | 40        | 50.0                 | 250               | 0.090                        | 418                         |
| -330N                                         | 03         | 0.033           | ±30%      | 40        | 50.0                 | 250               | 0.115                        | 370                         |
| -470N                                         | 04         | 0.047           | ±30%      | 40        | 50.0                 | 250               | 0.120                        | 360                         |
| -680N                                         | 05         | 0.068           | ±30%      | 40        | 50.0                 | 250               | 0.150                        | 324                         |
| -101N                                         | 06         | 0.100           | ±30%      | 40        | 50.0                 | 250               | 0.170                        | 304                         |
| -121M                                         | 07         | 0.12            | ±20%      | 35        | 25.0                 | 250               | 0.140                        | 335                         |
| -151M                                         | 08         | 0.15            | ±20%      | 40        | 25.0                 | 250               | 0.160                        | 313                         |
| -181M                                         | 09         | 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                          |

**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 #

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