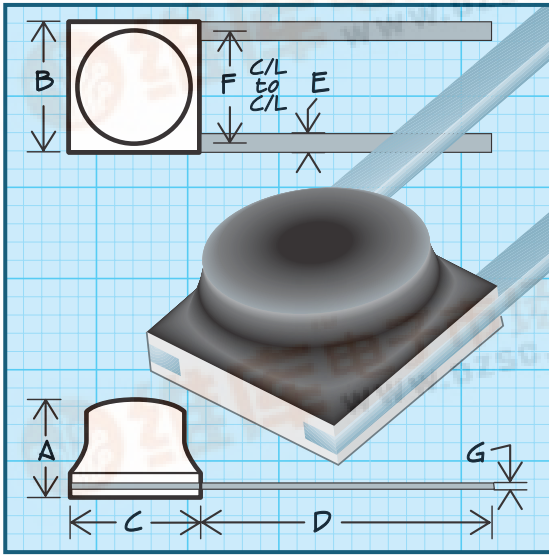


Series 100R RoHS Compliant
100 MILITARY QPL APPROVED
 查询"100-182K"供应商
Micro I² Ribbon-Lead Inductors



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

DASH NUMBER*
MIL DASH #
INDUCTANCE (µH)
TOLERANCE
Q MINIMUM
TEST FREQUENCY (MHz)
SRF MINIMUM (MHz)
DC RESISTANCE MAXIMUM (OHMS)
CURRENT RATING MAX. (mA)

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

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.

