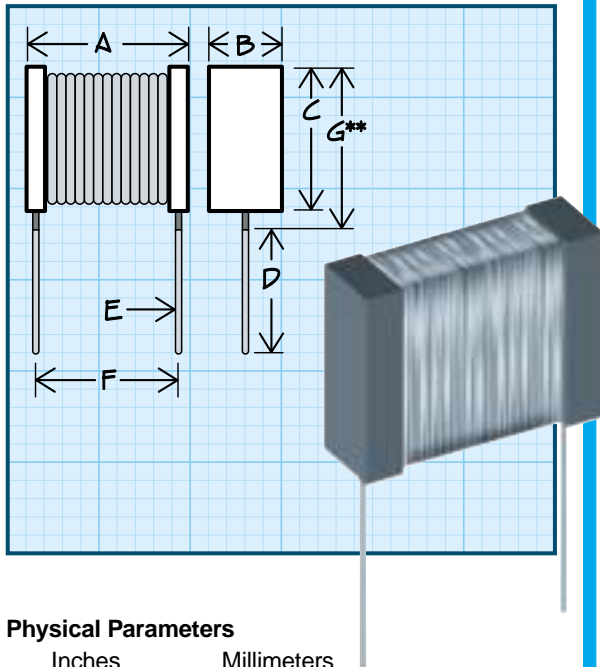


**Radial Leaded Inductors**



**Physical Parameters**

|      | Inches         | Millimeters   |
|------|----------------|---------------|
| A    | 0.374 to 0.400 | 9.50 to 10.16 |
| B    | 0.165 Max.     | 4.19 Max.     |
| C    | 0.310 Max.     | 7.87 Max.     |
| D    | 0.750 Min.     | 19.05 Min.    |
| E    | 0.020 Typical  | 0.50 Typical  |
| F    | 0.300 Typical  | 7.62 Typical  |
| G ** | 0.400 Max.     | 10.16 Max.    |

\*\* Clean Lead to Clean Lead

**Mechanical Configuration** Radial leaded ferrite coil

**Operating Temperature** -55°C to +125°C

**Incremental Current** The DC Current at which the inductance will be decreased by 5% maximum from the zero DC value

**Maximum Rated Current** Based on 40°C temperature rise from 85°C ambient

**Maximum Power Dissipation** 0.200 watts at 85°C

**Inductance Tolerance** Suffix letter listed in API Part Number table: M = +/- 20%; K = +/- 10%

**Packaging** Bulk only

| DASH NUMBER*       | INDUCTANCE (µH) | Q MIN. | L & Q TEST FREQUENCY (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (A) | INCREMENTAL CURRENT (A) |
|--------------------|-----------------|--------|----------------------------|------------------------------|----------------------------|-------------------------|
| <b>SERIES 4669</b> |                 |        |                            |                              |                            |                         |
| -102M              | 1.00            | 40     | 7.90                       | 0.010                        | 3.60                       | 7.00                    |
| -122M              | 1.20            | 40     | 7.90                       | 0.012                        | 3.30                       | 6.00                    |
| -152M              | 1.50            | 40     | 7.90                       | 0.015                        | 3.00                       | 5.00                    |
| -182M              | 1.80            | 40     | 7.90                       | 0.020                        | 2.55                       | 4.80                    |
| -222M              | 2.20            | 40     | 7.90                       | 0.025                        | 2.30                       | 4.40                    |
| -272M              | 2.70            | 40     | 7.90                       | 0.028                        | 2.15                       | 4.00                    |
| -332M              | 3.30            | 40     | 7.90                       | 0.036                        | 1.90                       | 3.70                    |
| -392M              | 3.90            | 40     | 7.90                       | 0.050                        | 1.60                       | 3.40                    |
| -472M              | 4.70            | 40     | 7.90                       | 0.055                        | 1.55                       | 3.20                    |
| -562M              | 5.60            | 35     | 7.90                       | 0.090                        | 1.40                       | 2.80                    |
| -682M              | 6.80            | 35     | 7.90                       | 0.110                        | 1.10                       | 2.60                    |
| -822M              | 8.20            | 35     | 7.90                       | 0.115                        | 1.05                       | 2.20                    |
| -103K              | 10.0            | 35     | 7.90                       | 0.120                        | 1.04                       | 2.10                    |
| -123K              | 12.0            | 50     | 2.50                       | 0.140                        | 0.95                       | 2.00                    |
| -153K              | 15.0            | 50     | 2.50                       | 0.155                        | 0.91                       | 1.60                    |
| -183K              | 18.0            | 50     | 2.50                       | 0.180                        | 0.85                       | 1.50                    |
| -223K              | 22.0            | 50     | 2.50                       | 0.230                        | 0.75                       | 1.40                    |
| -273K              | 27.0            | 50     | 2.50                       | 0.265                        | 0.70                       | 1.30                    |
| -333K              | 33.0            | 50     | 2.50                       | 0.345                        | 0.61                       | 1.20                    |
| -393K              | 39.0            | 50     | 2.50                       | 0.370                        | 0.59                       | 1.10                    |
| -473K              | 47.0            | 40     | 2.50                       | 0.500                        | 0.51                       | 1.00                    |
| -563K              | 56.0            | 40     | 2.50                       | 0.685                        | 0.44                       | 0.95                    |
| -683K              | 68.0            | 50     | 2.50                       | 0.885                        | 0.38                       | 0.90                    |
| -823K              | 82.0            | 55     | 2.50                       | 1.200                        | 0.33                       | 0.85                    |
| -104K              | 100             | 50     | 2.50                       | 1.495                        | 0.29                       | 0.80                    |
| -124K              | 120             | 70     | 0.79                       | 1.725                        | 0.27                       | 0.65                    |
| -154K              | 150             | 70     | 0.79                       | 1.955                        | 0.25                       | 0.60                    |
| -184K              | 180             | 70     | 0.79                       | 2.070                        | 0.24                       | 0.55                    |
| -224K              | 220             | 70     | 0.79                       | 2.185                        | 0.23                       | 0.50                    |
| -274K              | 270             | 70     | 0.79                       | 2.530                        | 0.22                       | 0.45                    |
| -334K              | 330             | 70     | 0.79                       | 3.335                        | 0.20                       | 0.41                    |
| -394K              | 390             | 70     | 0.79                       | 3.450                        | 0.19                       | 0.39                    |
| -474K              | 470             | 70     | 0.79                       | 5.290                        | 0.16                       | 0.35                    |
| -564K              | 560             | 70     | 0.79                       | 5.405                        | 0.15                       | 0.32                    |
| -684K              | 680             | 65     | 0.79                       | 5.930                        | 0.14                       | 0.29                    |
| -824K              | 820             | 60     | 0.79                       | 6.325                        | 0.14                       | 0.27                    |
| -105K              | 1000            | 50     | 0.79                       | 7.130                        | 0.13                       | 0.25                    |
| -125K              | 1200            | 70     | 0.25                       | 10.00                        | 0.11                       | 0.21                    |
| -155K              | 1500            | 75     | 0.25                       | 14.26                        | 0.10                       | 0.19                    |
| -185K              | 1800            | 80     | 0.25                       | 15.76                        | 0.09                       | 0.17                    |
| -225K              | 2200            | 80     | 0.25                       | 17.60                        | 0.08                       | 0.15                    |
| -275K              | 2700            | 80     | 0.25                       | 19.32                        | 0.08                       | 0.14                    |
| -335K              | 3300            | 80     | 0.25                       | 21.75                        | 0.07                       | 0.13                    |
| -395K              | 3900            | 70     | 0.25                       | 26.00                        | 0.07                       | 0.12                    |
| -475K              | 4700            | 65     | 0.25                       | 29.90                        | 0.06                       | 0.11                    |

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

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