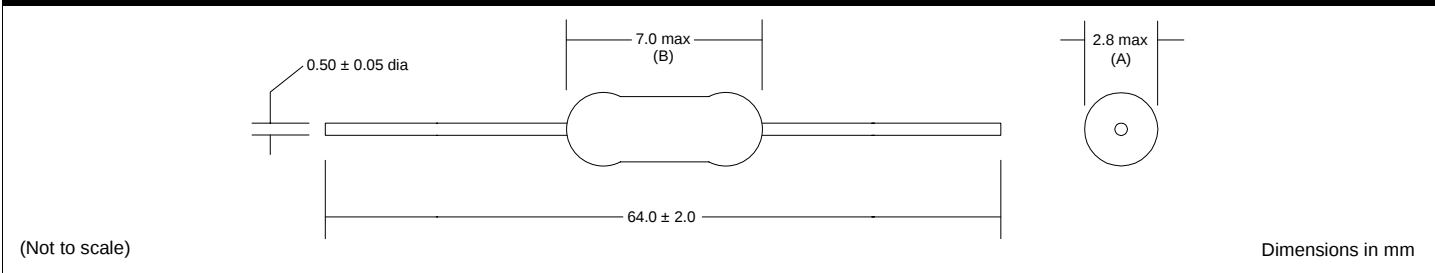


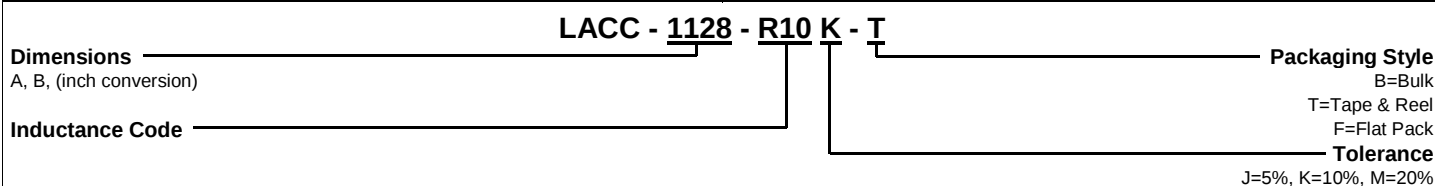
# Axial Conformal Coated Inductor (LACC-1128 Series)

**CALIBER**  
ELECTRONICS INC.  
specifications subject to change \* revision 3-2003

## Dimensions



## Part Numbering Guide



## Features

|                       |                             |
|-----------------------|-----------------------------|
| Inductance Range      | 0.1 $\mu$ H to 1000 $\mu$ H |
| Tolerance             | 5%, 10%, 20%                |
| Operating Temperature | -20°C to +80°C              |
| Construction          | Conformal Coated            |
| Dielectric Strength   | 250 Volts RMS               |

## Electrical Specifications

| L Code | L ( $\mu$ H) | Q Min | Test Freq (MHz) | SRF Min (MHz) | RDC Max (Ohms) | IDC Max (mA) | L Code | L ( $\mu$ H) | Q Min | Test Freq (MHz) | SRF Min (MHz) | RDC Max (Ohms) | IDC Max (mA) |
|--------|--------------|-------|-----------------|---------------|----------------|--------------|--------|--------------|-------|-----------------|---------------|----------------|--------------|
| R10    | 0.10         | 35    | 25.2            | 380           | 0.075          | 1150         | 120    | 12.0         | 50    | 2.52            | 20            | 0.80           | 350          |
| R12    | 0.12         | 35    | 25.2            | 380           | 0.075          | 1150         | 150    | 15.0         | 50    | 2.52            | 16            | 0.88           | 335          |
| R15    | 0.15         | 35    | 25.2            | 380           | 0.075          | 1150         | 180    | 18.0         | 50    | 2.52            | 15            | 1.0            | 315          |
| R18    | 0.18         | 35    | 25.2            | 380           | 0.075          | 1150         | 220    | 22.0         | 50    | 2.52            | 13            | 1.2            | 285          |
| R22    | 0.22         | 35    | 25.2            | 380           | 0.075          | 1150         | 270    | 27.0         | 50    | 2.52            | 11            | 1.35           | 270          |
| R27    | 0.27         | 35    | 25.2            | 360           | 0.08           | 1110         | 330    | 33.0         | 50    | 2.52            | 10            | 1.5            | 255          |
| R33    | 0.33         | 35    | 25.2            | 350           | 0.08           | 1110         | 390    | 39.0         | 50    | 2.52            | 9.5           | 1.7            | 240          |
| R39    | 0.39         | 35    | 25.2            | 320           | 0.09           | 1000         | 470    | 47.0         | 50    | 2.52            | 8.5           | 2.3            | 205          |
| R47    | 0.47         | 40    | 25.2            | 300           | 0.10           | 1000         | 560    | 56.0         | 50    | 2.52            | 7.5           | 2.6            | 195          |
| R56    | 0.56         | 40    | 25.2            | 280           | 0.11           | 950          | 680    | 68.0         | 50    | 2.52            | 6.5           | 2.9            | 185          |
| R68    | 0.68         | 40    | 25.2            | 250           | 0.12           | 900          | 820    | 82.0         | 50    | 2.52            | 6             | 3.2            | 175          |
| R82    | 0.82         | 40    | 25.2            | 200           | 0.12           | 900          | 101    | 100          | 50    | 2.52            | 5.5           | 3.5            | 165          |
| 1R0    | 1.00         | 50    | 25.2            | 180           | 0.15           | 815          | 121    | 120          | 50    | 0.796           | 5.4           | 3.8            | 160          |
| 1R2    | 1.20         | 50    | 7.96            | 165           | 0.18           | 740          | 151    | 150          | 50    | 0.796           | 4.75          | 4.4            | 150          |
| 1R5    | 1.50         | 50    | 7.96            | 150           | 0.20           | 700          | 181    | 180          | 50    | 0.796           | 4.35          | 5.0            | 140          |
| 1R8    | 1.80         | 50    | 7.96            | 125           | 0.23           | 655          | 221    | 220          | 50    | 0.796           | 4             | 5.7            | 130          |
| 2R2    | 2.20         | 50    | 7.96            | 110           | 0.25           | 630          | 271    | 270          | 50    | 0.796           | 3.7           | 6.5            | 120          |
| 2R7    | 2.70         | 50    | 7.96            | 95            | 0.28           | 595          | 331    | 330          | 50    | 0.796           | 3.4           | 9.5            | 100          |
| 3R3    | 3.30         | 50    | 7.96            | 70            | 0.30           | 575          | 391    | 390          | 50    | 0.796           | 2.8           | 10.5           | 95           |
| 3R9    | 3.90         | 50    | 7.96            | 65            | 0.32           | 555          | 471    | 470          | 50    | 0.796           | 2.55          | 11.6           | 90           |
| 4R7    | 4.70         | 50    | 7.96            | 50            | 0.35           | 530          | 561    | 560          | 50    | 0.796           | 2.35          | 13.0           | 85           |
| 5R6    | 5.60         | 50    | 7.96            | 40            | 0.40           | 500          | 681    | 680          | 50    | 0.796           | 2             | 18.0           | 75           |
| 6R8    | 6.80         | 50    | 7.96            | 30            | 0.45           | 470          | 821    | 820          | 50    | 0.796           | 1.5           | 23.0           | 65           |
| 8R2    | 8.20         | 50    | 7.96            | 28            | 0.55           | 425          | 102    | 1000         | 50    | 0.796           | 1.2           | 26.0           | 60           |
| 100    | 10.0         | 50    | 7.96            | 22            | 0.72           | 370          |        |              |       |                 |               |                |              |

Specifications subject to change without notice. Rev. 10/00

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