

## Fixed Inductors

### C Series

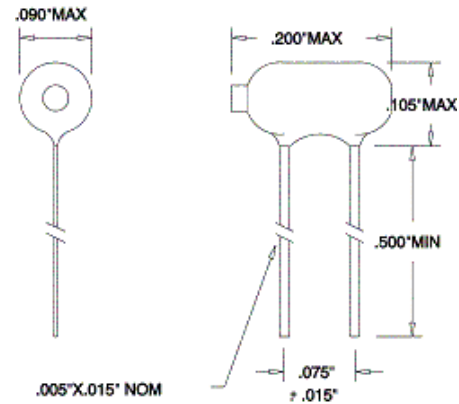
Piconics C Series is a conformal coated fixed inductor. It has flexible ribbon leads that may be welded or soldered into circuits or onto thin or thick film substrates. The leads can either silver plated copper or gold. Natural (copper wire) leads are available in this series.

#### FEATURES:

- High packing density
- Weldable and solderable
- Moisture Resistant
- Leads: Flexible Ribbon

#### ABSOLUTE MAXIMUM RATINGS:

- Operating temperature: -55°C to + 125° C
- Storage temperature: -55° C to +125° C
- Temperature rise (at 90° C): 35° C



| Part number | LuH+/- 10% | Q Min | Test Freq Mhz | SRF min MHZ | DCR Max Ohms | Idc Max mA |
|-------------|------------|-------|---------------|-------------|--------------|------------|
| C100K8I     | .01        | 35    | 200           | 1200        | .03          | 250        |
| C200K8I     | .02        | 35    | 200           | 1000        | .04          | 250        |
| C560K8I     | .056       | 35    | 100           | 800         | .15          | 250        |
| C101K8I     | .10        | 32    | 25            | 750         | .22          | 250        |
| C121K8I     | .12        | 32    | 25            | 700         | .30          | 250        |
| C151K8I     | .15        | 32    | 25            | 650         | .30          | 250        |
| C181K8I     | .18        | 32    | 25            | 600         | .45          | 250        |
| C221K8I     | .22        | 32    | 25            | 570         | .60          | 250        |
| C271K8I     | .27        | 32    | 25            | 500         | .65          | 250        |
| C331K8I     | .33        | 32    | 25            | 400         | .75          | 250        |
| C391K8I     | .39        | 32    | 25            | 380         | .9           | 250        |
| C471K8I     | .47        | 32    | 25            | 350         | 1.2          | 250        |
| C561K8I     | .56        | 32    | 25            | 325         | 1.5          | 250        |
| C681K8I     | .68        | 32    | 25            | 300         | 2.0          | 250        |
| C761K8I     | .76        | 32    | 25            | 280         | 2.1          | 240        |
| C821K8I     | .82        | 32    | 25            | 250         | 2.3          | 230        |
| C102K6I     | 1.0        | 30    | 7.9           | 220         | 2.7          | 210        |
| C122K6I     | 1.2        | 30    | 7.9           | 175         | 2.7          | 200        |
| C152K6I     | 1.5        | 30    | 7.9           | 135         | 2.9          | 190        |
| C182K6I     | 1.8        | 30    | 7.9           | 120         | 3.0          | 185        |
| C222K6I     | 2.2        | 30    | 7.9           | 95          | 3.8          | 180        |
| C272K6I     | 2.7        | 30    | 7.9           | 85          | 4.0          | 175        |
| C332K6I     | 3.3        | 30    | 7.9           | 70          | 4.0          | 170        |
| C392K6I     | 3.9        | 30    | 7.9           | 60          | 4.2          | 165        |
| C472K6I     | 4.7        | 30    | 7.9           | 50          | 4.2          | 165        |
| C562K6I     | 5.6        | 30    | 7.9           | 40          | 4.2          | 165        |

| Part number | LuH+/- 10% | Q Min | Test Freq Mhz | SRF min MHZ | DCR Max Ohms | Idc Max mA |
|-------------|------------|-------|---------------|-------------|--------------|------------|
| C682K6I     | 6.8        | 30    | 7.9           | 30          | 4.2          | 150        |
| C822K6I     | 8.2        | 30    | 7.9           | 22          | 4.2          | 120        |
| C103K3F     | 10         | 28    | 2.5           | 20          | 4.7          | 105        |
| C123K3F     | 12         | 28    | 2.5           | 15          | 5.0          | 91         |
| C153K3F     | 15         | 28    | 2.5           | 13          | 5.0          | 87         |
| C183K3F     | 18         | 28    | 2.5           | 12          | 5.0          | 81         |
| C223K3F     | 22         | 28    | 2.5           | 10          | 5.0          | 77         |
| C273K3F     | 27         | 28    | 2.5           | 9           | 6.0          | 73         |
| C333K3F     | 33         | 28    | 2.5           | 9           | 6.0          | 69         |
| C473K3F     | 47         | 28    | 2.5           | 6           | 6.3          | 63         |
| C563K3F     | 56         | 28    | 2.5           | 6           | 6.3          | 60         |
| C683K3F     | 68         | 28    | 2.5           | 6           | 7.0          | 57         |
| C823K3F     | 82         | 28    | 2.5           | 5.5         | 7.5          | 55         |
| C104K3F     | 100        | 24    | .79           | 4.0         | 12           | 50         |
| C124K3F     | 120        | 24    | .79           | 4.0         | 14           | 40         |
| C154K3F     | 150        | 24    | .79           | 3.9         | 16           | 36         |
| C184K3F     | 180        | 24    | .79           | 3.5         | 18           | 33         |
| C224K3F     | 220        | 24    | .79           | 3.2         | 21           | 28         |
| C274K3F     | 270        | 24    | .79           | 3.1         | 23           | 25         |
| C334K3F     | 330        | 24    | .79           | 2.8         | 37           | 20         |
| C394K3F     | 390        | 24    | .79           | 2.5         | 39           | 17         |
| C474K1F     | 470        | 24    | .79           | 2.3         | 45           | 15         |
| C564K1F     | 560        | 24    | .79           | 2.2         | 47           | 13         |
| C684K1F     | 680        | 24    | .79           | 2.1         | 62           | 12         |
| C824K1F     | 820        | 24    | .79           | 2.1         | 80           | 11         |
| C105K1F     | 1000       | 20    | .25           | 1.1         | 96           | 10         |