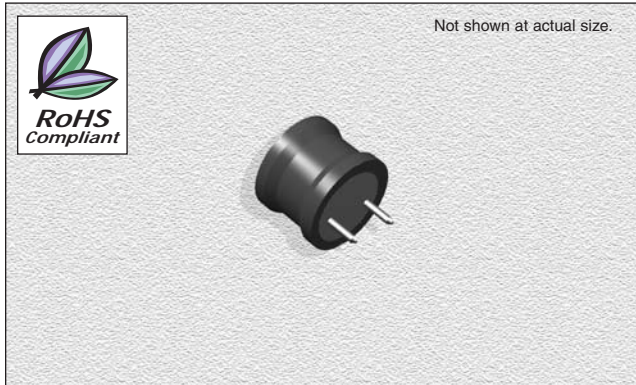


## CT622LYF Series

From 1.0  $\mu\text{H}$  to 4,700  $\mu\text{H}$

### ENGINEERING KIT #4F



### CHARACTERISTICS

**Description:** Radial leaded fixed inductor (UL sleeved)

**Applications:** Ideal as a choke coil for noise filtering and DC/DC converter applications. General applications

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

**Temperature Coefficient:** 440ppm / °C max.

**Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$  &  $\pm 20\%$

**Testing:** Inductance and Q are tested on an HP4285A at specified frequency

**Packaging:** Bulk pack; packaged in styrofoam

**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

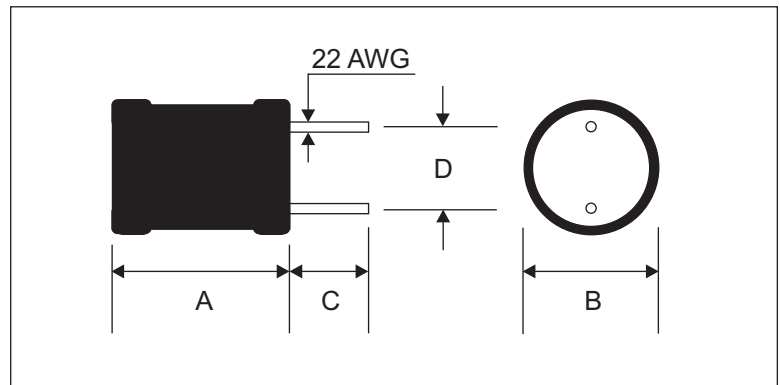
### SPECIFICATIONS

Please specify tolerance code when ordering.  
CT622LYF-1R0\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$

| Part Number   | Inductance ( $\mu\text{H}$ ) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (A) |
|---------------|------------------------------|--------------------|--------------|--------------------|----------------|-----------------------|--------------|
| CT622LYF-1R0_ | 1.0                          | 7.96               | 20           | 7.96               | 150            | .01                   | 10.0         |
| CT622LYF-1R5_ | 1.5                          | 7.96               | 20           | 7.96               | 130            | .01                   | 8.5          |
| CT622LYF-2R2_ | 2.2                          | 7.96               | 20           | 7.96               | 100            | .02                   | 6.5          |
| CT622LYF-3R3_ | 3.3                          | 7.96               | 20           | 7.96               | 79             | .02                   | 5.5          |
| CT622LYF-4R7_ | 4.7                          | 7.96               | 20           | 7.96               | 51             | .03                   | 4.3          |
| CT622LYF-6R8_ | 6.8                          | 2.52               | 20           | 2.52               | 29             | .03                   | 3.7          |
| CT622LYF-100_ | 10                           | 2.52               | 50           | 2.52               | 14             | .04                   | 3.0          |
| CT622LYF-120_ | 12                           | 2.52               | 50           | 2.52               | 13             | .05                   | 2.6          |
| CT622LYF-150_ | 15                           | 2.52               | 40           | 2.52               | 12             | .05                   | 2.3          |
| CT622LYF-180_ | 18                           | 2.52               | 40           | 2.52               | 11             | .06                   | 2.2          |
| CT622LYF-220_ | 22                           | 2.52               | 40           | 2.52               | 9.2            | .07                   | 2.0          |
| CT622LYF-270_ | 27                           | 2.52               | 30           | 2.52               | 8.5            | .08                   | 1.7          |
| CT622LYF-330_ | 33                           | 2.52               | 30           | 2.52               | 7.8            | .09                   | 1.6          |
| CT622LYF-390_ | 39                           | 2.52               | 30           | 2.52               | 6.9            | .10                   | 1.5          |
| CT622LYF-470_ | 47                           | 2.52               | 30           | 2.52               | 6.5            | .16                   | 1.4          |
| CT622LYF-560_ | 56                           | 2.52               | 30           | 2.52               | 5.4            | .18                   | 1.3          |
| CT622LYF-680_ | 68                           | 2.52               | 30           | 2.52               | 4.9            | .21                   | 1.2          |
| CT622LYF-820_ | 82                           | 2.52               | 30           | 2.52               | 4.1            | .23                   | 1.1          |
| CT622LYF-101_ | 100                          | .796               | 20           | .796               | 3.7            | .28                   | .91          |
| CT622LYF-121_ | 120                          | .796               | 20           | .796               | 3.4            | .32                   | .84          |
| CT622LYF-151_ | 150                          | .796               | 20           | .796               | 3.2            | .37                   | .74          |
| CT622LYF-181_ | 180                          | .796               | 20           | .796               | 2.8            | .58                   | .69          |
| CT622LYF-221_ | 220                          | .796               | 20           | .796               | 2.7            | .65                   | .64          |
| CT622LYF-271_ | 270                          | .796               | 20           | .796               | 2.4            | .75                   | .57          |
| CT622LYF-331_ | 330                          | .796               | 20           | .796               | 2.3            | .85                   | .54          |
| CT622LYF-391_ | 390                          | .796               | 20           | .796               | 2.1            | 1.0                   | .48          |
| CT622LYF-471_ | 470                          | .796               | 20           | .796               | 1.9            | 1.1                   | .46          |
| CT622LYF-561_ | 560                          | .796               | 20           | .796               | 1.8            | 1.4                   | .41          |
| CT622LYF-681_ | 680                          | .796               | 20           | .796               | 1.6            | 1.6                   | .38          |
| CT622LYF-821_ | 820                          | .796               | 20           | .796               | 1.5            | 1.8                   | .35          |
| CT622LYF-102_ | 1000                         | .252               | 50           | .252               | 1.3            | 2.9                   | .29          |
| CT622LYF-122_ | 1200                         | .252               | 50           | .252               | 1.1            | 4.0                   | .13          |
| CT622LYF-152_ | 1500                         | .252               | 20           | .252               | 1.0            | 6.1                   | .08          |
| CT622LYF-182_ | 1800                         | .252               | 20           | .252               | 1.0            | 6.4                   | .08          |
| CT622LYF-222_ | 2200                         | .252               | 20           | .252               | 0.9            | 6.8                   | .08          |
| CT622LYF-272_ | 2700                         | .252               | 20           | .252               | 0.9            | 7.7                   | .08          |
| CT622LYF-332_ | 3300                         | .252               | 20           | .252               | 0.7            | 9.0                   | .08          |
| CT622LYF-392_ | 3900                         | .252               | 20           | .252               | 0.6            | 14.0                  | .08          |
| CT622LYF-472_ | 4700                         | .252               | 20           | .252               | 0.5            | 16.0                  | .05          |

### PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Nom. | D Nom. | 22 AWG |
|--------|--------|--------|--------|--------|--------|
| mm     | 11     | 8.5    | 5      | 5      | 0.643  |
| inches | 0.43   | 0.34   | 0.2    | 0.2    | 0.03   |



09.28.06