

## T-Small



## T-SmallLF\*



Wirewound, Toroidal, High L, Self Leaded

047T Series, 050T Series, 051T Series

| PART NUMBER      | L mH @1 kHz | SRF kHz REF | DCR OHMS REF | CURRENT RATING mA DC |
|------------------|-------------|-------------|--------------|----------------------|
| LOW FREQUENCY    |             |             |              |                      |
| 047T1005         | 10          | 240         | 3.0          | 235                  |
| 047T2005         | 20          | 160         | 6.0          | 150                  |
| 047T5005         | 50          | 100         | 15           | 93                   |
| 047T1006         | 100         | 65          | 30           | 60                   |
| 047T2006         | 200         | 45          | 60           | 47                   |
| 047T5006         | 500         | 25          | 110          | 28                   |
| 047T1007         | 1000        | 20          | 290          | 18                   |
| 047T2007         | 2000        | 14          | 575          | 11                   |
| MEDIUM FREQUENCY |             |             |              |                      |
| 050T5004         | 5           | 350         | 2.5          | 235                  |
| 050T1005         | 10          | 240         | 5.0          | 150                  |
| 050T2005         | 20          | 160         | 12           | 118                  |
| 050T5005         | 50          | 100         | 25           | 74                   |
| 050T1006         | 100         | 65          | 50           | 47                   |
| 050T2006         | 200         | 45          | 120          | 28                   |
| 050T5006         | 500         | 25          | 300          | 23                   |
| 050T1007         | 1000        | 20          | 550          | 11                   |
| HIGH FREQUENCY   |             |             |              |                      |
| 051T1004         | 1           | 850         | 1.3          | 380                  |
| 051T2004         | 2           | 600         | 2.3          | 235                  |
| 051T5004         | 5           | 370         | 5.0          | 190                  |
| 051T1005         | 10          | 250         | 12           | 118                  |
| 051T2005         | 20          | 180         | 22           | 74                   |
| 051T5005         | 50          | 100         | 55           | 47                   |
| 051T1006         | 100         | 70          | 115          | 36                   |
| 051T2006         | 200         | 50          | 200          | 28                   |
| 051T3006         | 300         | 40          | 350          | 18                   |
| 051T5006         | 500         | 30          | 520          | 14                   |

All part numbers provide 2% tolerance on inductance

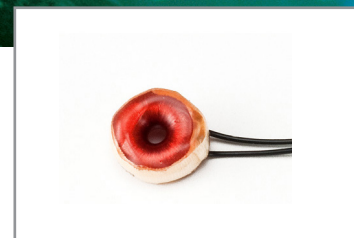
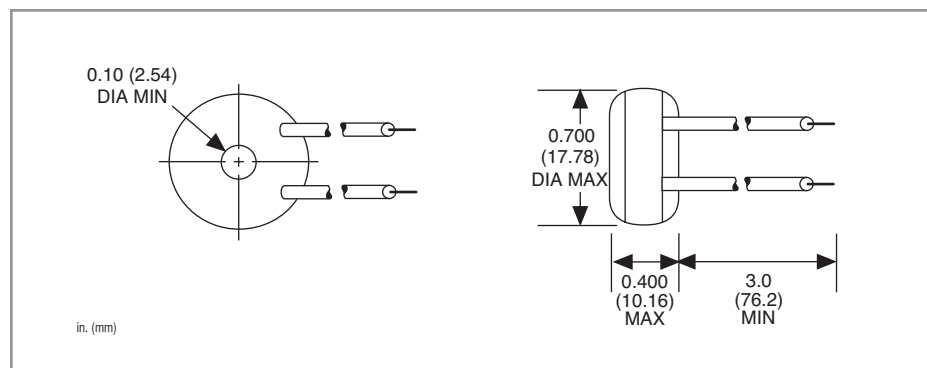
Optional tolerances are available; please contact factory

Custom designs are available to meet your specific requirements; please contact factory

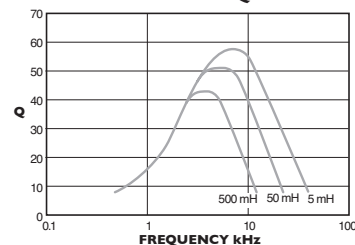
**\*Add "LF" suffix for RoHS requirement. Example: 047T1005LF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

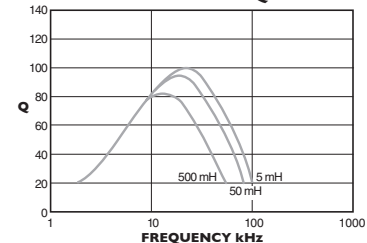
These LF components meet the  $\leq .1\%$  lead requirement and they are compatible with 260°C soldering processes.



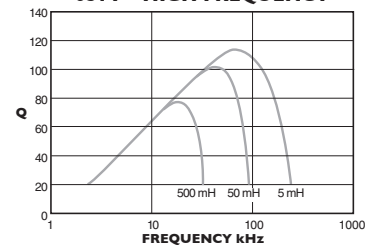
047T - LOW FREQUENCY



050T - MEDIUM FREQUENCY



051T - HIGH FREQUENCY



### NOTES:

- Operating Temperature Range: -40°C to +105°C
- Current Rating is based on a 15°C temperature rise at an ambient temperature of 90°C
- 24 AWG stranded copper, tinned teflon insulated leads
- Vinyl coated, non-flammable, abrasion and moisture resistant
- High Q and wide selection of Q vs. Frequency ranges

### PACKAGING SPECS:

Bulk