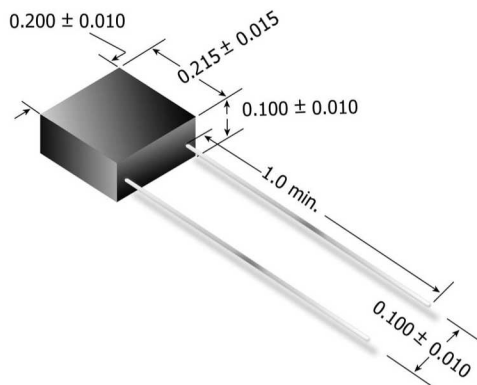




## GENERAL SPECIFICATIONS

### For application in printed circuits and modules.

- Moisture and shock resistant, immersion proof.
- Designed to meet MIL-C-15305, Grade 1, Class B, toroids will operate at any temperature from -55° to + 125°C.
- The low external magnetic field of the toroid permits tighter packaging of units than with other inductive devices.
- Maximum operating temperature: 125°C
- Rated temperature rise (at 90°C): 35°C
- Dielectric with standing voltage: 700v rms
- Terminal pull: 5 pounds
- Altitude rating: 70,000 feet
- Overload current: 1.4 times the rated current

## SPECIFICATIONS

- Frequency range: 25 to 150 MHZ
- Inductance tolerances: 0.01 to 0.082 uH, ±20%; 0.10 to 1.0 uH, ± 10%; (closer tolerances on request.)
- Maximum dissipation: 1/5-watt
- Inductance TC: + 150 ppm/°C nominal; +200 ppm/°C max.
- Leads: tin-lead coated copper wire

| MIL Dash no. | Type designation | C/ACM P/N | Inductance (uH) | Test frequency MHz | Q (min) | Self resonant frequency (min) MHz | DC Resistance (max) ohms | Rated dc current (max) mA |
|--------------|------------------|-----------|-----------------|--------------------|---------|-----------------------------------|--------------------------|---------------------------|
| 01           | LT4K521          | S23001    | .01 ± 20%       | 150                | 60      | 1000                              | .02                      | 3000                      |
| 02           | LT4K522          | S23002    | .012 ± 20%      | 150                | 60      | 1000                              | .02                      | 3000                      |
| 03           | LT4K523          | S23003    | .015 ± 20%      | 150                | 60      | 1000                              | .02                      | 3000                      |
| 04           | LT4K524          | S23004    | .018 ± 20%      | 150                | 60      | 1000                              | .02                      | 3000                      |
| 05           | LT4K525          | S23005    | .022 ± 20%      | 100                | 60      | 900                               | .02                      | 3000                      |
| 06           | LT4K526          | S23006    | .027 ± 20%      | 100                | 60      | 800                               | .02                      | 3000                      |
| 07           | LT4K527          | S23007    | .033 ± 20%      | 100                | 60      | 750                               | .02                      | 3000                      |
| 08           | LT4K528          | S23008    | .039 ± 20%      | 100                | 60      | 700                               | .02                      | 3000                      |
| 09           | LT4K529          | S23009    | .047 ± 20%      | 100                | 60      | 650                               | .02                      | 3000                      |
| 10           | LT4K530          | S23010    | .056 ± 20%      | 100                | 60      | 600                               | .02                      | 3000                      |
| 11           | LT4K531          | S23011    | .068 ± 20%      | 100                | 60      | 550                               | .03                      | 2500                      |
| 12           | LT4K532          | S23012    | .82 ± 20%       | 100                | 60      | 500                               | .04                      | 2200                      |
| 13           | LT4K533          | S23013    | .10 ± 10%       | 50                 | 80      | 450                               | .04                      | 2200                      |
| 14           | LT4K534          | S23014    | .12 ± 10%       | 50                 | 80      | 400                               | .05                      | 2000                      |
| 15           | LT4K535          | S23015    | .15 ± 10%       | 50                 | 80      | 350                               | .06                      | 1800                      |
| 16           | LT4K536          | S23016    | .18 ± 10%       | 50                 | 80      | 320                               | .07                      | 1600                      |
| 17           | LT4K537          | S23017    | .22 ± 10%       | 50                 | 80      | 300                               | .08                      | 1500                      |
| 18           | LT4K538          | S23018    | .27 ± 10%       | 50                 | 80      | 280                               | .10                      | 1400                      |
| 19           | LT4K539          | S23019    | .33 ± 10%       | 50                 | 80      | 260                               | .12                      | 1300                      |
| 20           | LT4K540          | S23020    | .39 ± 10%       | 50                 | 80      | 240                               | .15                      | 1150                      |
| 21           | LT4K541          | S23021    | .47 ± 10%       | 50                 | 80      | 220                               | .20                      | 1000                      |
| 22           | LT4K542          | S23022    | .56 ± 10%       | 50                 | 70      | 200                               | .25                      | 900                       |
| 23           | LT4K543          | S23023    | .68 ± 10%       | 50                 | 70      | 180                               | .30                      | 800                       |
| 24           | LT4K544          | S23024    | .82 ± 10%       | 50                 | 70      | 160                               | .35                      | 750                       |
| 25           | LT4K545          | S23025    | 1.0 ± 10%       | 50                 | 70      | 150                               | .40                      | 700                       |