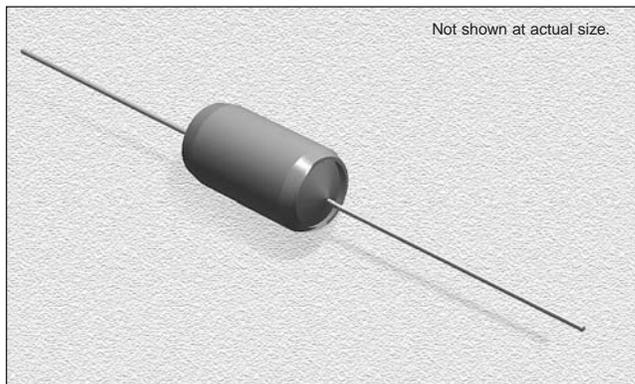


CTS5 Series

From 1 μ H to 100 μ H



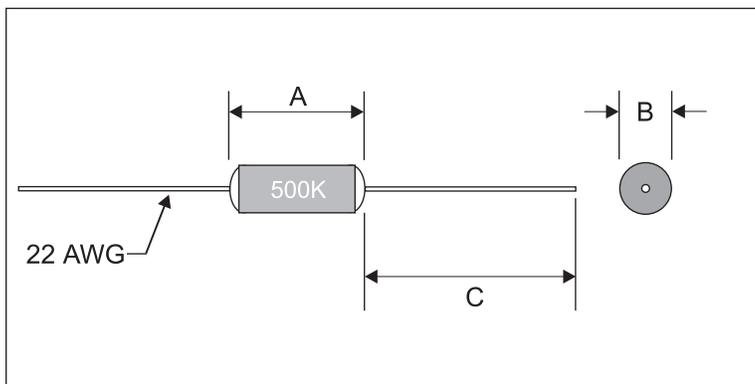
SPECIFICATIONS

Please specify tolerance code when ordering.
 CTS5-1R0_ ← J = \pm 5%, K = \pm 10%

| Part Number | Inductance (μ H) | L Test Freq. (MHz) | Q Factor Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | Rated DC (mA) |
|-------------|-----------------------|--------------------|---------------|--------------------|----------------|-----------------------|---------------|
| CTS5-1R0_ | 1.0 | 7.9 | 55 | 7.9 | 200 | .05 | 2200 |
| CTS5-2R5_ | 2.5 | 7.9 | 45 | 7.9 | 115 | .08 | 1700 |
| CTS5-5R0_ | 5.0 | 7.9 | 35 | 7.9 | 90 | .12 | 1400 |
| CTS5-100_ | 10 | 2.5 | 65 | 2.5 | 55 | .42 | 770 |
| CTS5-250_ | 25 | 2.5 | 55 | 2.5 | 35 | .80 | 560 |
| CTS5-500_ | 50 | 2.5 | 60 | 2.5 | 27 | 1.50 | 400 |
| CTS5-101_ | 100 | 2.5 | 70 | 2.5 | 20 | 3.10 | 280 |

PHYSICAL DIMENSIONS

| Size | A Max. | B Max. | C Typ. | 22 AWG |
|--------|------------------|------------------|--------|---------|
| mm | 11.4 \pm 0.25 | 3.81 \pm 0.25 | 29.2 | 0.6430 |
| inches | 0.45 \pm 0.010 | 0.15 \pm 0.010 | 1.15 | 0.02535 |



CHARACTERISTICS

- Description:** Axial leaded molded (shielded) inductor
- Applications:** Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications
- Operating Temperature:** -55°C to +105°C
- Inductance Tolerance:** \pm 5% & \pm 10%
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Packaging:** Bulk pack, 500 parts per bag, Tape & Reel, 2,500 parts per reel
- Current Rating:** Based on .33 watt power dissipation for approximately 20°C temperature rise
- Marking:** Printed with part value
- Testing:** Inductance is measured on an HP4285A at 1 kHz
- Leads:** Soft copper and pre-tinned
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

07.10.03

Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US 949-453-1811 Outside US

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