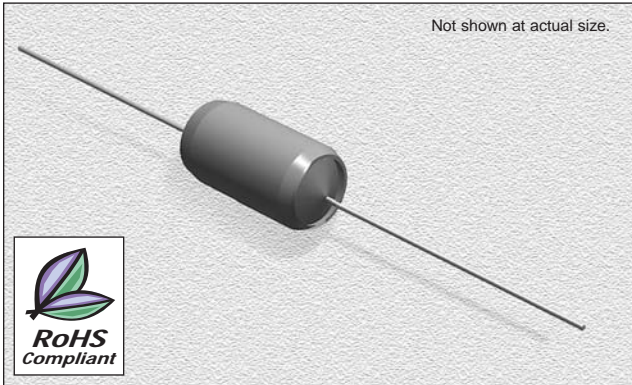


CTS5F Series

From 1 μH to 100 μH

SPECIFICATIONS

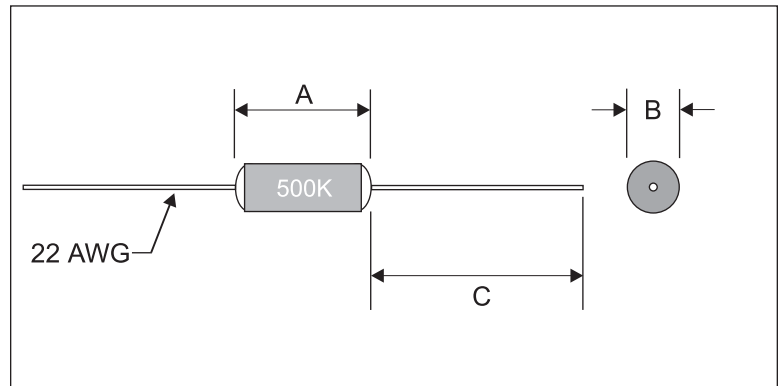
Please specify tolerance code when ordering.
 CTS5F-1R0_ ← J = $\pm 5\%$, K = $\pm 10\%$



Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTS5F-1R0_	1.0	7.9	55	7.9	200	.05	2200
CTS5F-2R5_	2.5	7.9	45	7.9	115	.08	1700
CTS5F-5R0_	5.0	7.9	35	7.9	90	.12	1400
CTS5F-100_	10	2.5	65	2.5	55	.42	770
CTS5F-250_	25	2.5	55	2.5	35	.80	560
CTS5F-500_	50	2.5	60	2.5	27	1.50	400
CTS5F-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 inductance code
- Miscellaneous:** **RoHS Compliant.**
- 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.**

12.27.05