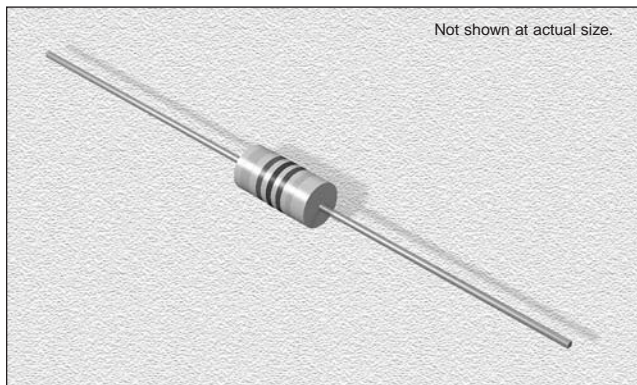


CTS1 Series

From .10 μH to 1,000 μH

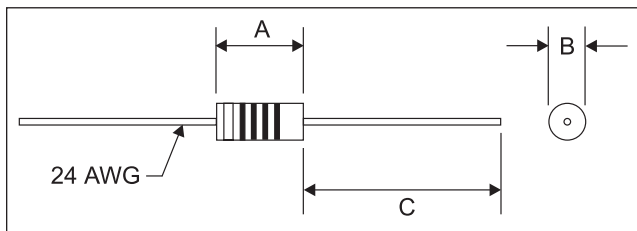


CHARACTERISTICS

- 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, 1,000 parts per bag, Tape & Reel, 5,000 parts per reel
- Marking:** Parts are EIA color banded, which indicates inductance code and tolerance
- Material:** Molded epoxy resin over the magnetic core for superior shielding and reliability
- Miscellaneous:** Other values available
- Additional Information:** Additional electrical & physical information available upon request
- Samples available.** See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	22 AWG
mm	6.60 \pm 0.25	2.80 \pm 0.25	29.2	0.5110
inches	0.26 \pm 0.010	0.110 \pm 0.010	1.15	0.02010



SPECIFICATIONS

Please specify tolerance code when ordering.
CTS1-R10_ ← 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)
CTS1-R10_	.10	25	39	25	400	.071	1580
CTS1-R12_	.12	25	36	25	400	.087	1360
CTS1-R15_	.15	25	35	25	400	.109	1280
CTS1-R18_	.18	25	33	25	400	.145	1110
CTS1-R22_	.22	25	35	25	400	.165	1040
CTS1-R27_	.27	25	33	25	400	.192	965
CTS1-R33_	.33	25	33	25	370	.228	885
CTS1-R39_	.39	25	32	25	348	.259	830
CTS1-R47_	.47	25	33	25	312	.348	717
CTS1-R56_	.56	25	30	25	286	.417	655
CTS1-R68_	.68	25	30	25	262	.580	555
CTS1-R82_	.82	25	33	25	188	.132	1160
CTS1-1R0_	1.0	25	35	25	166	.169	1030
CTS1-1R2_	1.2	7.9	29	7.9	149	.184	985
CTS1-1R5_	1.5	7.9	29	7.9	136	.26	825
CTS1-1R8_	1.8	7.9	29	7.9	118	.36	705
CTS1-2R2_	2.2	7.9	28	7.9	110	.41	664
CTS1-2R7_	2.7	7.9	32	7.9	94	.55	577
CTS1-3R3_	3.3	7.9	32	7.9	86	.62	540
CTS1-3R9_	3.9	7.9	38	7.9	85	.79	475
CTS1-4R7_	4.7	7.9	38	7.9	79	.91	445
CTS1-5R6_	5.6	7.9	40	7.9	72	1.15	395
CTS1-6R8_	6.8	7.9	46	7.9	65	1.73	320
CTS1-8R2_	8.2	7.9	45	7.9	59	1.96	302
CTS1-100_	10	7.9	45	7.9	53	2.3	280
CTS1-120_	12	2.5	40	2.5	60	.55	570
CTS1-150_	15	2.5	45	2.5	53	.71	500
CTS1-180_	18	2.5	45	2.5	45.8	1.0	423
CTS1-220_	22	2.5	45	2.5	42.2	1.09	404
CTS1-270_	27	2.5	48	2.5	31.0	1.35	364
CTS1-330_	33	2.5	54	2.5	26.0	1.9	305
CTS1-390_	39	2.5	54	2.5	24.2	2.1	293
CTS1-470_	47	2.5	54	2.5	22.0	2.4	271
CTS1-560_	56	2.5	60	2.5	21.2	2.9	248
CTS1-680_	68	2.5	55	2.5	19.9	3.2	237
CTS1-820_	82	2.5	57	2.5	16.8	3.7	219
CTS1-101_	100	2.5	60	2.5	13.2	4.6	198
CTS1-121_	120	.79	58	.79	11.0	5.2	184
CTS1-151_	150	.79	60	.79	9.1	5.9	173
CTS1-181_	180	.79	60	.79	7.4	7.4	156
CTS1-221_	220	.79	60	.79	7.2	8.5	145
CTS1-271_	270	.79	60	.79	6.8	10.0	133
CTS1-331_	330	.79	60	.79	5.5	13.4	115
CTS1-391_	390	.79	60	.79	5.1	15.0	109
CTS1-471_	470	.79	60	.79	5.0	21.0	92
CTS1-561_	560	.79	60	.79	4.9	23.0	88
CTS1-681_	680	.79	60	.79	4.6	26.0	82
CTS1-821_	820	.79	60	.79	4.2	34.0	72
CTS1-102_	1000	.79	60	.79	4.0	39.0	67

07.10.03

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

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

Copyright © 2003 by CT Magnetics, DBA Central Technologies. All rights reserved.

CT Magnetics reserves the right to make improvements or change specifications without notice

