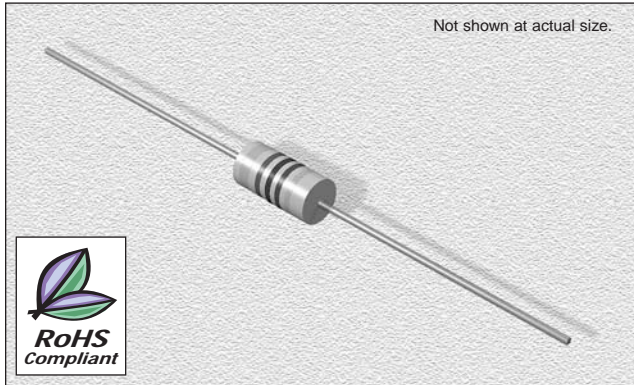


CTS1F Series

From .10 μH to 1,000 μH

SPECIFICATIONS

Please specify tolerance code when ordering.
 CTS1F-R10_ ← J = $\pm 5\%$, K = $\pm 10\%$



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: **RoHS Compliant.** Other values available

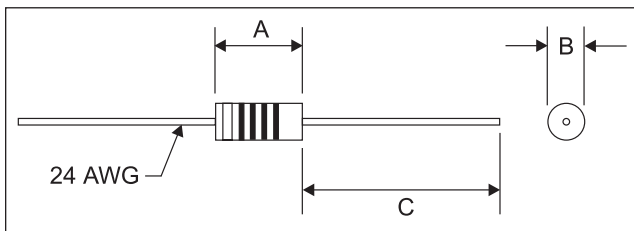
Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTS1F-R10_	.10	25	39	25	400	.071	1580
CTS1F-R12_	.12	25	36	25	400	.087	1360
CTS1F-R15_	.15	25	35	25	400	.109	1280
CTS1F-R18_	.18	25	33	25	400	.145	1110
CTS1F-R22_	.22	25	35	25	400	.165	1040
CTS1F-R27_	.27	25	33	25	400	.192	965
CTS1F-R33_	.33	25	33	25	370	.228	885
CTS1F-R39_	.39	25	32	25	348	.259	830
CTS1F-R47_	.47	25	33	25	312	.348	717
CTS1F-R56_	.56	25	30	25	286	.417	655
CTS1F-R68_	.68	25	30	25	262	.580	555
CTS1F-R82_	.82	25	33	25	188	.132	1160
CTS1F-1R0_	1.0	25	35	25	166	.169	1030
CTS1F-1R2_	1.2	7.9	29	7.9	149	.184	985
CTS1F-1R5_	1.5	7.9	29	7.9	136	.26	825
CTS1F-1R8_	1.8	7.9	29	7.9	118	.36	705
CTS1F-2R2_	2.2	7.9	28	7.9	110	.41	664
CTS1F-2R7_	2.7	7.9	32	7.9	94	.55	577
CTS1F-3R3_	3.3	7.9	32	7.9	86	.62	540
CTS1F-3R9_	3.9	7.9	38	7.9	85	.79	475
CTS1F-4R7_	4.7	7.9	38	7.9	79	.91	445
CTS1F-5R6_	5.6	7.9	40	7.9	72	1.15	395
CTS1F-6R8_	6.8	7.9	46	7.9	65	1.73	320
CTS1F-8R2_	8.2	7.9	45	7.9	59	1.96	302
CTS1F-10_	10	7.9	45	7.9	53	2.3	280
CTS1F-12_	12	2.5	40	2.5	60	.55	570
CTS1F-15_	15	2.5	45	2.5	53	.71	500
CTS1F-18_	18	2.5	45	2.5	45.8	1.0	423
CTS1F-22_	22	2.5	45	2.5	42.2	1.09	404
CTS1F-27_	27	2.5	48	2.5	31.0	1.35	364
CTS1F-33_	33	2.5	54	2.5	26.0	1.9	305
CTS1F-39_	39	2.5	54	2.5	24.2	2.1	293
CTS1F-47_	47	2.5	54	2.5	22.0	2.4	271
CTS1F-56_	56	2.5	60	2.5	21.2	2.9	248
CTS1F-68_	68	2.5	55	2.5	19.9	3.2	237
CTS1F-82_	82	2.5	57	2.5	16.8	3.7	219
CTS1F-101_	100	2.5	60	2.5	13.2	4.6	198
CTS1F-121_	120	.79	58	.79	11.0	5.2	184
CTS1F-151_	150	.79	60	.79	9.1	5.9	173
CTS1F-181_	180	.79	60	.79	7.4	7.4	156
CTS1F-221_	220	.79	60	.79	7.2	8.5	145
CTS1F-271_	270	.79	60	.79	6.8	10.0	133
CTS1F-331_	330	.79	60	.79	5.5	13.4	115
CTS1F-391_	390	.79	60	.79	5.1	15.0	109
CTS1F-471_	470	.79	60	.79	5.0	21.0	92
CTS1F-561_	560	.79	60	.79	4.9	23.0	88
CTS1F-681_	680	.79	60	.79	4.6	26.0	82
CTS1F-821_	820	.79	60	.79	4.2	34.0	72
CTS1F-102_	1000	.79	60	.79	4.0	39.0	67

PHYSICAL DIMENSIONS

Size	A	B	C Typ.	24 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



12.22.05