

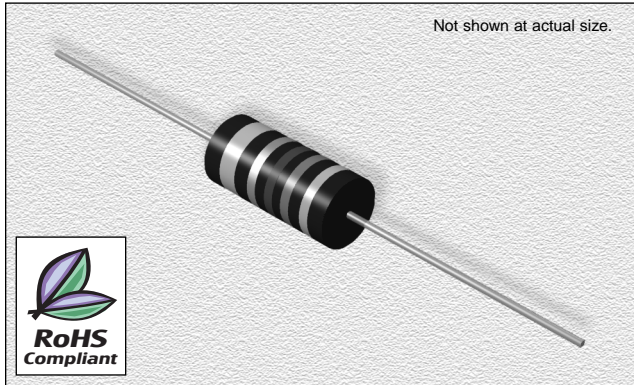
## CTS3F Series

From .10  $\mu$ H to 100,000  $\mu$ H

### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTS3F-R10\_ ← J =  $\pm$ 5%, K =  $\pm$ 10%

#### ENGINEERING KIT #20F

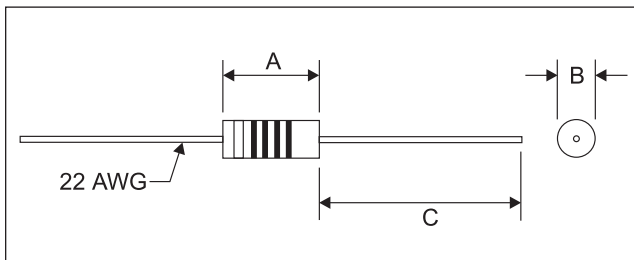


#### CHARACTERISTICS

- 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 +125°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
- 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.**

#### PHYSICAL DIMENSIONS

Size	A	B	C Typ.	22 AWG Nom.
mm	10.4 $\pm$ 0.76	4.06 $\pm$ 0.76	29.2	0.643
inches	0.41 $\pm$ 0.03	0.16 $\pm$ 0.03	1.15	0.03



Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTS3F-R10_	.10	25	50	25	250	.02	1790
CTS3F-R12_	.12	25	51	25	250	.03	1530
CTS3F-R15_	.15	25	51	25	250	.04	1470
CTS3F-R18_	.18	25	50	25	250	.05	1300
CTS3F-R22_	.22	25	49	25	250	.07	1100
CTS3F-R27_	.27	25	47	25	250	.11	855
CTS3F-R33_	.33	25	46	25	250	.13	780
CTS3F-R39_	.39	25	44	25	250	.18	670
CTS3F-R47_	.47	25	44	25	235	.25	565
CTS3F-R56_	.56	25	43	25	210	.33	490
CTS3F-R68_	.68	25	42	25	190	.45	420
CTS3F-R82_	.82	25	40	25	180	.59	370
CTS3F-1R0_	1.0	25	47	25	140	.07	1070
CTS3F-1R2_	1.2	7.9	46	7.9	130	.10	895
CTS3F-1R5_	1.5	7.9	45	7.9	115	.12	815
CTS3F-1R8_	1.8	7.9	43	7.9	105	.14	775
CTS3F-2R2_	2.2	7.9	45	7.9	100	.19	650
CTS3F-2R7_	2.7	7.9	46	7.9	92	.28	535
CTS3F-3R3_	3.3	7.9	44	7.9	85	.35	480
CTS3F-3R9_	3.9	7.9	44	7.9	75	.40	450
CTS3F-4R7_	4.7	7.9	44	7.9	70	.55	380
CTS3F-5R6_	5.6	7.9	47	7.9	65	.72	335
CTS3F-6R8_	6.8	7.9	50	7.9	55	1.0	280
CTS3F-8R2_	8.2	7.9	50	7.9	50	1.3	250
CTS3F-100_	10	7.9	49	7.9	46	1.6	220
CTS3F-120_	12	2.5	55	2.5	44	2.0	200
CTS3F-150_	15	2.5	44	2.5	49	.80	315
CTS3F-180_	18	2.5	45	2.5	45	.89	300
CTS3F-220_	22	2.5	46	2.5	40	.96	290
CTS3F-270_	27	2.5	49	2.5	38	1.2	260
CTS3F-330_	33	2.5	45	2.5	34	1.4	240
CTS3F-390_	39	2.5	53	2.5	29	1.9	205
CTS3F-470_	47	2.5	52	2.5	27	2.1	195
CTS3F-560_	56	2.5	49	2.5	25	2.2	190
CTS3F-680_	68	2.5	51	2.5	21	2.7	170
CTS3F-820_	82	2.5	45	2.5	11	2.4	180
CTS3F-101_	100	2.5	45	2.5	10	3.1	160
CTS3F-121_	120	.79	57	.79	9.7	3.6	150
CTS3F-151_	150	.79	56	.79	8.5	4.1	140
CTS3F-181_	180	.79	60	.79	8.0	4.4	135
CTS3F-221_	220	.79	58	.79	7.5	5.0	125
CTS3F-271_	270	.79	60	.79	7.0	5.8	115
CTS3F-331_	330	.79	54	.79	6.5	6.4	110
CTS3F-391_	390	.79	67	.79	6.2	7.4	105
CTS3F-471_	470	.79	60	.79	5.7	9.5	92
CTS3F-561_	560	.79	60	.79	4.7	10	90
CTS3F-681_	680	.79	60	.79	4.5	12	80
CTS3F-821_	820	.79	57	.79	4.2	13	80
CTS3F-102_	1000	.79	65	.79	3.8	17	70
CTS3F-122_	1200	.25	45	.25	1.5	22	60
CTS3F-152_	1500	.25	49	.25	1.2	26	55
CTS3F-182_	1800	.25	47	.25	1.0	30	50
CTS3F-222_	2200	.25	50	.25	.97	34	50
CTS3F-272_	2700	.25	47	.25	.92	47	40
CTS3F-332_	3300	.25	43	.25	.84	53	40
CTS3F-392_	3900	.25	43	.25	.80	74	35
CTS3F-472_	4700	.25	44	.25	.74	81	31
CTS3F-562_	5600	.25	45	.25	.73	99	28
CTS3F-682_	6800	.25	43	.25	.66	111	27
CTS3F-822_	8200	.25	42	.25	.54	119	26
CTS3F-103_	10000	.25	39	.25	.47	137	24
CTS3F-123_	12000	.079	30	.079	.33	143	23
CTS3F-153_	15000	.079	30	.079	.29	157	22
CTS3F-183_	18000	.079	30	.079	.28	175	21
CTS3F-223_	22000	.079	27	.079	.25	274	17
CTS3F-273_	27000	.079	27	.079	.21	308	16
CTS3F-333_	33000	.079	27	.079	.19	343	15
CTS3F-393_	39000	.079	27	.079	.17	376	15
CTS3F-473_	47000	.079	23	.079	.16	473	13
CTS3F-563_	56000	.079	23	.079	.14	512	13
CTS3F-683_	68000	.079	23	.079	.13	580	12
CTS3F-823_	82000	.079	21	.079	.12	618	11
CTS3F-104_	100000	.079	18	.079	.11	678	11

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