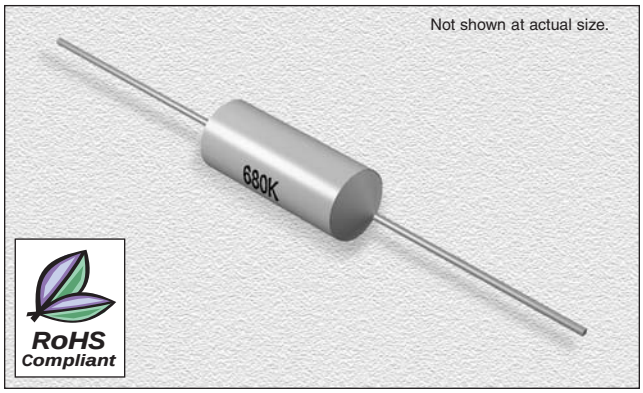
CTS4F Series

From .10 µH to 150,000 µH

ENGINEERING KIT #20F

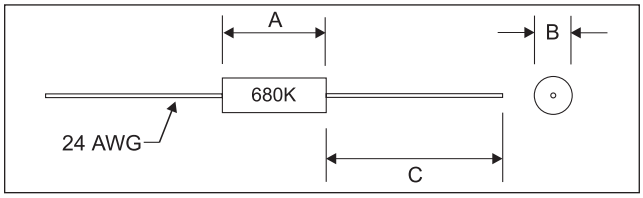


CHARACTERISTICS

Description: Axial leaded (shielded) inductor
Applications: Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications. Higher DC current than CTS3 series
Operating Temperature: -55°C to +125°C
Inductance Tolerance: ±5% & ±10%
Testing: Inductance and Q are tested on an HP4284A or HP4285A at specified frequency
Packaging: Tape & Reel, 2,500 parts per reel
Marking: EIA color banded with inductance code or marked with part value
Material: Molded epoxy resin over the magnetic core for superior shielding and reliability.
Incremental Current: DC current required to cause a maximum reduction of 5% in inductance for nominal value of inductance measured with zero DC current
Shielding: Less than 3% coupling units side by side @ 1 kHz
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 Max.	B Max.	C Typ.	24 AWG Nom.
mm	11.4	4.06	29.2	0.511
inches	0.45	0.16	1.15	0.02



SPECIFICATIONS

Please specify tolerance code when ordering.
CTS4F-R10_ ← J = ±5%, K = ±10%

Part Number	Inductance (µH)	L Test Freq. (_Hz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)	Incr (mA)
CTS4F-R10_	.10	25M	50	25	400	.02	3000	3000
CTS4F-R12_	.12	25M	50	25	400	.03	2860	2860
CTS4F-R15_	.15	25M	50	25	400	.03	2600	2600
CTS4F-R18_	.18	25M	50	25	400	.04	2300	2300
CTS4F-R22_	.22	25M	50	25	400	.05	2050	2050
CTS4F-R27_	.27	25M	50	25	400	.09	1625	1625
CTS4F-R33_	.33	25M	47	25	325	.12	1400	1400
CTS4F-R39_	.39	25M	47	25	390	.16	1220	1200
CTS4F-R47_	.47	25M	47	25	264	.22	1060	1060
CTS4F-R56_	.56	25M	45	25	249	.29	900	900
CTS4F-R68_	.68	25M	43	25	221	.38	790	790
CTS4F-R82_	.82	25M	41	25	200	.45	725	725
CTS4F-1R0_	1.0	25M	42	25	156	.05	2080	2080
CTS4F-1R2_	1.2	7.9M	43	7.9	144	.07	1840	1840
CTS4F-1R5_	1.5	7.9M	41	7.9	128	.09	1560	1560
CTS4F-1R8_	1.8	7.9M	42	7.9	121	.11	1480	1480
CTS4F-2R2_	2.2	7.9M	42	7.9	108	.14	1290	1290
CTS4F-2R7_	2.7	7.9M	41	7.9	96	.18	1130	1130
CTS4F-3R3_	3.3	7.9M	41	7.9	88	.26	950	950
CTS4F-3R9_	3.9	7.9M	41	7.9	84	.35	815	815
CTS4F-4R7_	4.7	7.9M	42	7.9	72	.47	710	710
CTS4F-5R6_	5.6	7.9M	42	7.9	69	.51	680	680
CTS4F-6R8_	6.8	7.9M	42	7.9	62	.75	560	560
CTS4F-8R2_	8.2	7.9M	46	7.9	58	.83	535	535
CTS4F-100_	10	7.9M	46	7.9	53	1.3	432	432
CTS4F-120_	12	2.5M	50	2.5	47	1.7	368	368
CTS4F-150_	15	2.5M	50	2.5	41	2.3	325	325
CTS4F-180_	18	2.5M	50	2.5	43	.67	596	235
CTS4F-220_	22	2.5M	50	2.5	38	.74	565	220
CTS4F-270_	27	1.0k	50	2.5	36	.85	526	200
CTS4F-330_	33	1.0k	50	2.5	33	.93	505	190
CTS4F-390_	39	1.0k	50	2.5	29	1.3	429	180
CTS4F-470_	47	1.0k	55	2.5	27	1.5	400	175
CTS4F-560_	56	1.0k	55	2.5	25	1.6	380	160
CTS4F-680_	68	1.0k	55	2.5	23	2.2	328	150
CTS4F-820_	82	1.0k	55	2.5	14	1.9	349	140
CTS4F-101_	100	1.0k	65	2.5	12	2.3	322	120
CTS4F-121_	120	1.0k	65	.79	11	2.4	311	95
CTS4F-151_	150	1.0k	65	.79	11	2.8	294	90
CTS4F-181_	180	1.0k	65	.79	10	3.1	277	85
CTS4F-221_	220	1.0k	65	.79	9.4	3.5	251	80
CTS4F-271_	270	1.0k	65	.79	8.0	4.5	231	70
CTS4F-331_	330	1.0k	65	.79	7.3	5.1	215	65
CTS4F-391_	390	1.0k	65	.79	6.9	5.6	205	60
CTS4F-471_	470	1.0k	70	.79	6.5	6.4	192	58
CTS4F-561_	560	1.0k	70	.79	6.0	8.0	174	55
CTS4F-681_	680	1.0k	75	.79	5.6	8.8	163	50
CTS4F-821_	820	1.0k	70	.79	4.8	10	151	45
CTS4F-102_	1000	1.0k	65	.79	4.5	12	139	40
CTS4F-122_	1200	1.0k	70	.25	2.6	15	125	35
CTS4F-152_	1500	1.0k	70	.25	2.5	17	119	33
CTS4F-182_	1800	1.0k	70	.25	2.3	19	111	30
CTS4F-222_	2200	1.0k	70	.25	2.2	22	103	27
CTS4F-272_	2700	1.0k	70	.25	2.1	25	97	25
CTS4F-332_	3300	1.0k	70	.25	2.0	33	85	22
CTS4F-392_	3900	1.0k	70	.25	1.8	37	80	20
CTS4F-472_	4700	1.0k	70	.25	1.7	51	68	19
CTS4F-562_	5600	1.0k	70	.25	1.6	54	66	17
CTS4F-682_	6800	1.0k	70	.25	1.5	62	62	16
CTS4F-822_	8200	1.0k	70	.25	1.4	86	52	15
CTS4F-103_	10000	1.0k	70	.25	1.3	93	50	14
CTS4F-123_	12000	1.0k	50	.25	.88	84	53	13
CTS4F-153_	15000	1.0k	50	.079	.78	97	49	12
CTS4F-183_	18000	1.0k	50	.079	.72	104	48	10
CTS4F-223_	22000	1.0k	50	.079	.57	145	40	9.0
CTS4F-273_	27000	1.0k	50	.079	.46	195	34	8.0
CTS4F-333_	33000	1.0k	50	.079	.42	222	32	7.0
CTS4F-393_	39000	1.0k	50	.079	.42	242	31	6.0
CTS4F-473_	47000	1.0k	50	.079	.37	217	27	5.0
CTS4F-563_	56000	1.0k	50	.079	.36	362	25	5.0
CTS4F-683_	68000	1.0k	50	.079	.34	410	24	4.0
CTS4F-823_	82000	1.0k	50	.079	.33	440	23	3.0
CTS4F-104_	100000	1.0k	50	.079	.32	484	22	3.0
CTS4F-154_	150000	25k	30	.025	.18	560	15	3.0

08.14.07

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