

CTS2F Series

From .10 μ H to 10,000 μ H



SPECIFICATIONS

Please specify tolerance code when ordering.
 CTS2F-R10_ ← J = $\pm 5\%$, K = $\pm 10\%$

Part Number	Inductance (μ H)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTS2F-R10_	.10	25	42	25	500	.112	1720
CTS2F-R12_	.12	25	42	25	500	.126	1630
CTS2F-R15_	.15	25	42	25	500	.138	1550
CTS2F-R18_	.18	25	42	25	336	1.65	1420
CTS2F-R22_	.22	25	42	25	331	1.98	1330
CTS2F-R27_	.27	25	42	25	298	.220	1230
CTS2F-R33_	.33	25	42	25	288	.258	1140
CTS2F-R39_	.39	25	42	25	271	.292	1060
CTS2F-R47_	.47	25	41	25	247	.360	960
CTS2F-R56_	.56	25	39	25	236	.397	915
CTS2F-R68_	.68	25	36	25	216	.472	740
CTS2F-R82_	.82	25	35	25	200	.638	720
CTS2F-1R0_	1.0	25	42	25	136	.208	1260
CTS2F-1R2_	1.2	7.9	38	7.9	120	.225	1210
CTS2F-1R5_	1.5	7.9	38	7.9	111	.265	1120
CTS2F-1R8_	1.8	7.9	38	7.9	103	.280	1080
CTS2F-2R2_	2.2	7.9	36	7.9	94.0	.330	1000
CTS2F-2R7_	2.7	7.9	38	7.9	84.8	.381	935
CTS2F-3R3_	3.3	7.9	38	7.9	78.4	.432	875
CTS2F-3R9_	3.9	7.9	40	7.9	72.8	.576	755
CTS2F-4R7_	4.7	7.9	42	7.9	66.4	.787	650
CTS2F-5R6_	5.6	7.9	42	7.9	61.6	1.04	565
CTS2F-6R8_	6.8	7.9	45	7.9	54.6	1.40	485
CTS2F-8R2_	8.2	7.9	47	7.9	49.6	1.68	440
CTS2F-100_	10	7.9	51	7.9	44.0	2.58	355
CTS2F-120_	12	2.5	51	2.5	39.2	3.65	300
CTS2F-150_	15	2.5	45	2.5	44.0	.862	620
CTS2F-180_	18	2.5	43	2.5	40.0	1.02	570
CTS2F-220_	22	2.5	42	2.5	36.0	1.12	545
CTS2F-270_	27	2.5	37	2.5	32.8	1.28	510
CTS2F-330_	33	2.5	46	2.5	29.6	1.70	440
CTS2F-390_	39	2.5	38	2.5	26.4	1.99	405
CTS2F-470_	47	2.5	42	2.5	23.2	2.41	370
CTS2F-560_	56	2.5	41	2.5	21.6	2.85	340
CTS2F-680_	68	2.5	46	2.5	18.4	3.21	320
CTS2F-820_	82	2.5	46	2.5	16.8	2.57	305
CTS2F-101_	100	2.5	43	2.5	15.2	4.10	280
CTS2F-121_	120	.79	50	.79	14.4	5.97	235
CTS2F-151_	150	.79	49	.79	12.0	7.05	215
CTS2F-181_	180	.79	56	.79	11.2	8.12	200
CTS2F-221_	220	.79	53	.79	9.6	14.8	150
CTS2F-271_	270	.79	57	.79	9.2	16.8	140
CTS2F-331_	330	.79	57	.79	8.4	18.6	130
CTS2F-391_	390	.79	57	.79	8.0	21.1	120
CTS2F-471_	470	.79	50	.79	6.8	32.2	100
CTS2F-561_	560	.79	50	.79	6.0	36.4	95
CTS2F-681_	680	.79	56	.79	5.6	41.1	90
CTS2F-821_	820	.79	49	.79	5.2	45.0	85
CTS2F-102_	1000	.79	49	.79	4.8	52.0	80
CTS2F-122_	1200	.25	50	.25	3.2	22.4	100
CTS2F-152_	1500	.25	50	.25	2.9	29.4	90
CTS2F-182_	1800	.25	50	.25	2.6	33.0	84
CTS2F-222_	2200	.25	55	.25	2.5	38.0	79
CTS2F-272_	2700	.25	55	.25	2.4	42.0	75
CTS2F-332_	3300	.25	55	.25	2.0	58.5	63.5
CTS2F-392_	3900	.25	50	.25	2.0	77.0	55.5
CTS2F-472_	4700	.25	50	.25	1.8	86.2	52.5
CTS2F-562_	5600	.25	45	.25	1.7	111	46
CTS2F-682_	6800	.25	45	.25	1.6	128	42.6
CTS2F-822_	8200	.25	45	.25	1.5	145	40.5
CTS2F-103_	10000	.25	45	.25	1.5	168	31.6

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° to +105°C

Inductance Tolerance: $\pm 5\%$ & $\pm 10\%$

Testing: Inductance and Q are tested on a 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 and physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Typ.	24 AWG
mm	8.40 \pm 0.25	3.30 \pm 0.25	29.2	0.5110
inches	0.33 \pm 0.01	0.13 \pm 0.01	1.15	0.0201

