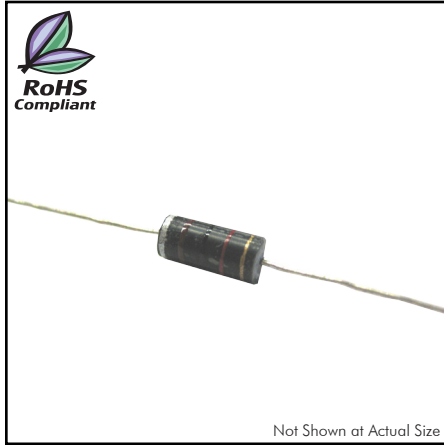


## CTM3F Series

From .15 $\mu$ H to 1,000 $\mu$ H



### CHARACTERISTICS

- Description:** Axial leaded molded inductor
- Applications:** Used for various kinds of OSC and TRAP coils. Ideal for various RF applications
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$  &  $\pm 20\%$
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Packaging:** Bulk pack or Tape & Reel, 2,500 parts per reel
- Marking:** Five band EIA color code indicating inductance code and tolerance
- Material:** Molded epoxy resin over coil
- Core:** Magnetic core (ferrite or iron) except for values .15 $\mu$ H to 2.7 $\mu$ H (phenolic)
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### SPECIFICATIONS

Please specify tolerance code when ordering.  
CTM3F-R15\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (mA)
CTM3F-R15_	.15	25	50	25	510	.03	3050
CTM3F-R22_	.22	25	50	25	415	.03	2800
CTM3F-R27_	.27	25	50	25	360	.05	2400
CTM3F-R33_	.33	25	50	25	350	.06	2000
CTM3F-R47_	.47	25	50	25	300	.08	1700
CTM3F-R56_	.56	25	50	25	270	.12	1450
CTM3F-R68_	.68	25	45	25	250	.15	1300
CTM3F-R82_	.82	25	40	25	210	.21	1100
CTM3F-1R0_	1.0	25	40	25	200	.29	930
CTM3F-1R2_	1.2	7.9	30	7.9	180	.40	785
CTM3F-1R5_	1.5	7.9	30	7.9	170	.49	700
CTM3F-1R8_	1.8	7.9	30	7.9	150	.74	550
CTM3F-2R2_	2.2	7.9	30	7.9	140	.97	505
CTM3F-2R7_	2.7	7.9	30	7.9	120	1.2	460
CTM3F-3R3_	3.3	7.9	30	7.9	70	.14	990
CTM3F-3R9_	3.9	7.9	30	7.9	65	.15	870
CTM3F-4R7_	4.7	7.9	30	7.9	60	.21	745
CTM3F-5R6_	5.6	7.9	30	7.9	50	.28	645
CTM3F-6R8_	6.8	7.9	30	7.9	50	.37	560
CTM3F-8R2_	8.2	7.9	30	7.9	48	.44	540
CTM3F-100_	10	7.9	30	7.9	42	.61	440
CTM3F-120_	12	2.5	50	2.5	36	1.1	370
CTM3F-150_	15	2.5	55	2.5	30	1.2	310
CTM3F-180_	18	2.5	60	2.5	30	2.0	255
CTM3F-220_	22	2.5	60	2.5	24	2.2	240
CTM3F-270_	27	2.5	65	2.5	22	2.8	205
CTM3F-330_	33	2.5	55	2.5	18	2.3	300
CTM3F-390_	39	2.5	55	2.5	16	2.5	285
CTM3F-470_	47	2.5	55	2.5	14	3.4	245
CTM3F-560_	56	2.5	55	2.5	14	4.1	225
CTM3F-680_	68	2.5	55	2.5	11	4.2	220
CTM3F-820_	82	2.5	55	2.5	9.3	4.4	215
CTM3F-101_	100	.79	45	.79	8.5	4.9	205
CTM3F-121_	120	.79	60	.79	7.3	5.4	195
CTM3F-151_	150	.79	60	.79	6.2	6.2	180
CTM3F-181_	180	.79	60	.79	5.7	7.1	170
CTM3F-221_	220	.79	60	.79	5.2	7.9	160
CTM3F-271_	270	.79	65	.79	5.6	8.2	110
CTM3F-331_	330	.79	65	.79	5.0	9.1	105
CTM3F-391_	390	.79	65	.79	4.5	10	100
CTM3F-471_	470	.79	65	.79	4.0	11	95
CTM3F-561_	560	.79	65	.79	3.8	12	91
CTM3F-681_	680	.79	60	.79	3.4	14	85
CTM3F-821_	820	.79	60	.79	3.1	15	81
CTM3F-102_	1000	.79	60	.79	2.8	16	78

### PHYSICAL DIMENSIONS

Size	A	B	C	22 AWG
			Typ.	Nom.
mm	11.2 $\pm$ 0.25	4.82 $\pm$ 0.25	29.2	0.643
inches	0.44 $\pm$ 0.01	0.19 $\pm$ 0.01	1.15	0.025

