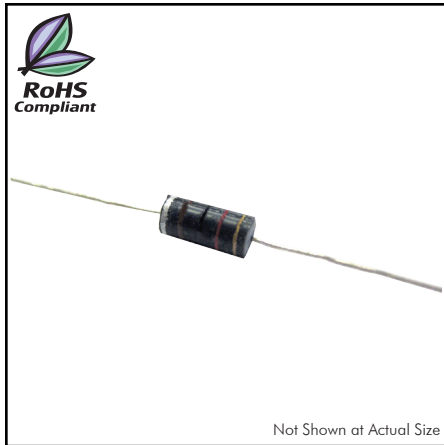


CTM2F Series

From .10 μ H to 1,000 μ H

ENGINEERING KIT #1F

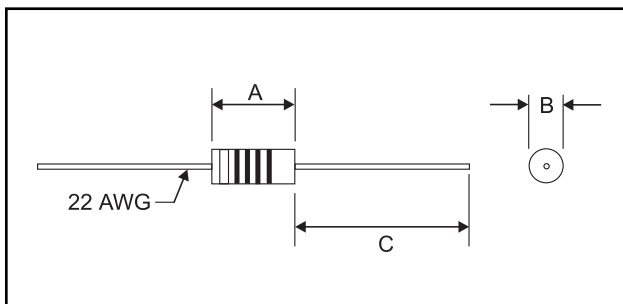


CHARACTERISTICS

- 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 +105°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 0.10 μ H to 4.7 μ H (phenolic)
- Miscellaneous:** **RoHS Compliant**
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

PHYSICAL DIMENSIONS

Size	A	B	C	22 AWG
	Max.	Max.	Typ.	Nom.
mm	9.52 \pm 0.25	3.96 \pm 0.25	26.7	0.643
inches	0.38 \pm 0.01	0.16 \pm 0.01	1.05	0.03



SPECIFICATIONS

Please specify inductance tolerance code when ordering.
CTM2F-360_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance (μ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CTM2F-R10K	.10	25	50	25	525	.03	2740
CTM2F-R15M	.15	25	50	25	525	.03	2740
CTM2F-R22M	.22	25	50	25	450	.05	2020
CTM2F-R33M	.33	25	45	25	360	.09	1580
CTM2F-R39K	.39	25	45	25	330	.11	1420
CTM2F-R47M	.47	25	45	25	310	.12	1370
CTM2F-R56K	.56	25	50	25	280	.14	1290
CTM2F-R68K	.68	25	50	25	250	.15	1220
CTM2F-R82K	.82	25	50	25	220	.22	1020
CTM2F-1R0K	1.0	25	50	25	200	.29	880
CTM2F-1R2K	1.2	7.9	33	7.9	180	.42	730
CTM2F-1R5K	1.5	7.9	33	7.9	160	.50	670
CTM2F-1R8K	1.8	7.9	33	7.9	150	.65	590
CTM2F-2R2K	2.2	7.9	33	7.9	135	.95	485
CTM2F-2R7K	2.7	7.9	33	7.9	120	1.2	430
CTM2F-3R3K	3.3	7.9	33	7.9	110	2.0	335
CTM2F-3R9K	3.9	7.9	33	7.9	100	2.3	310
CTM2F-4R7K	4.7	7.9	33	7.9	90	2.6	294
CTM2F-5R6K	5.6	7.9	45	7.9	55	.32	565
CTM2F-6R8K	6.8	7.9	50	7.9	55	.50	450
CTM2F-8R2K	8.2	7.9	50	7.9	50	.60	410
CTM2F-100K	10	7.9	55	7.9	45	.90	335
CTM2F-120K	12	2.5	65	2.5	42	1.1	305
CTM2F-150K	15	2.5	65	2.5	40	1.4	271
CTM2F-180K	18	2.5	75	2.5	34	2.3	213
CTM2F-220K	22	2.5	75	2.5	30	2.5	202
CTM2F-240K	24	2.5	60	2.5	26	2.5	202
CTM2F-270K	27	2.5	60	2.5	25	2.6	198
CTM2F-300K	30	2.5	65	2.5	21	2.8	191
CTM2F-330K	33	2.5	65	2.5	19	3.0	185
CTM2F-360_	36	2.5	60	2.5	15	2.5	202
CTM2F-390_	39	2.5	60	2.5	14	2.6	198
CTM2F-430_	43	2.5	60	2.5	14	2.7	194
CTM2F-470_	47	2.5	55	2.5	13	2.8	193
CTM2F-510_	51	2.5	55	2.5	13	2.9	189
CTM2F-560_	56	2.5	55	2.5	12	3.0	184
CTM2F-620_	62	2.5	55	2.5	11	3.2	180
CTM2F-680_	68	2.5	55	2.5	11	3.3	176
CTM2F-750_	75	2.5	55	2.5	10	3.7	166
CTM2F-820_	82	2.5	50	2.5	10	3.9	162
CTM2F-910_	91	2.5	50	2.5	10	4.3	154
CTM2F-101_	100	2.5	50	2.5	9.5	4.5	151
CTM2F-111_	110	.79	60	.79	8.9	4.9	144
CTM2F-121_	120	.79	65	.79	8.7	5.2	140
CTM2F-131_	130	.79	65	.79	8.5	5.5	137
CTM2F-151_	150	.79	65	.79	8.0	6.1	130
CTM2F-161_	160	.79	65	.79	7.5	6.4	126
CTM2F-181_	180	.79	65	.79	8.0	6.1	130
CTM2F-201_	200	.79	65	.79	6.5	7.1	123
CTM2F-221_	220	.79	65	.79	6.2	7.5	117
CTM2F-241_	240	.79	65	.79	5.9	7.8	115
CTM2F-271_	270	.79	65	.79	5.7	11	143
CTM2F-301_	300	.79	65	.79	5.4	11	140
CTM2F-331_	330	.79	65	.79	5.1	12	136
CTM2F-361_	360	.79	65	.79	4.8	12	134
CTM2F-391_	390	.79	65	.79	4.5	16	117
CTM2F-431_	430	.79	65	.79	4.2	17	115
CTM2F-471_	470	.79	65	.79	3.9	18	112
CTM2F-511_	510	.79	65	.79	3.7	19	109
CTM2F-561_	560	.79	65	.79	3.8	19	107
CTM2F-621_	620	.79	65	.79	3.3	26	93
CTM2F-681_	680	.79	65	.79	3.1	27	91
CTM2F-751_	750	.79	65	.79	2.9	28	88
CTM2F-821_	820	.79	65	.79	2.7	30	86
CTM2F-911_	910	.79	65	.79	2.5	31	84
CTM2F-102_	1000	.79	65	.79	2.3	33	82