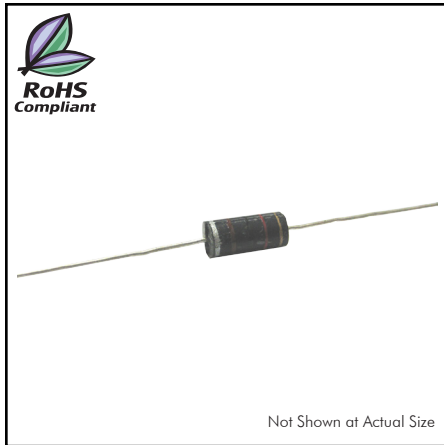


CTM1F Series

From .022 μ H to 1,000 μ H

ENGINEERING KIT #1F

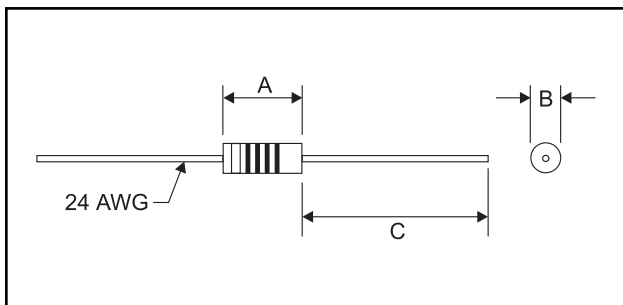


CHARACTERISTICS

- 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 or HP4286A at specified frequency
 - Packaging:** Bulk pack or Tape & Reel, 5,000 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 0.022 μ H to 1.0 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	24 AWG
			Typ.	Nom.
mm	6.35 \pm 0.25	2.41 \pm 0.25	26.7	0.511
inches	0.25 \pm 0.01	0.1 \pm 0.01	1.05	0.02



SPECIFICATIONS

Please specify inductance tolerance code when ordering.
CTM1F-R027 ← 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)
CTM1F-R022M	.022	50	50	50	900	.02	2400
CTM1F-R027	.027	25	40	25	875	.03	2200
CTM1F-R033	.033	25	40	25	850	.03	2000
CTM1F-R039	.039	25	40	25	825	.04	1900
CTM1F-R047	.047	25	40	25	800	.04	1800
CTM1F-R056	.056	25	40	25	775	.05	1700
CTM1F-R068	.068	25	40	25	750	.06	1500
CTM1F-R082	.082	25	40	25	725	.07	1400
CTM1F-R10	.10	25	40	25	680	.08	1350
CTM1F-R12	.12	25	40	25	640	.09	1270
CTM1F-R15	.15	25	38	25	600	.10	1200
CTM1F-R18	.18	25	35	25	550	.12	1105
CTM1F-R22	.22	25	33	25	510	.14	1025
CTM1F-R27	.27	25	33	25	430	.16	960
CTM1F-R33	.33	25	30	25	410	.22	815
CTM1F-R39	.39	25	30	25	365	.30	700
CTM1F-R47	.47	25	30	25	330	.35	650
CTM1F-R56	.56	25	30	25	300	.50	545
CTM1F-R68	.68	25	28	25	275	.60	495
CTM1F-R82	.82	25	28	25	250	.85	415
CTM1F-1R0	1.0	25	25	25	230	1.0	385
CTM1F-1R2	1.2	7.9	25	7.9	150	.18	590
CTM1F-1R5	1.5	7.9	28	7.9	140	.22	535
CTM1F-1R8	1.8	7.9	30	7.9	125	.30	455
CTM1F-2R2	2.2	7.9	30	7.9	115	.40	395
CTM1F-2R7	2.7	7.9	37	7.9	100	.55	355
CTM1F-3R3	3.3	7.9	45	7.9	90	.85	270
CTM1F-3R9	3.9	7.9	45	7.9	80	1.0	250
CTM1F-4R7	4.7	7.9	45	7.9	75	1.2	230
CTM1F-5R6	5.6	7.9	50	7.9	65	1.8	185
CTM1F-6R8	6.8	7.9	50	7.9	60	2.0	175
CTM1F-8R2	8.2	7.9	55	7.9	55	2.7	155
CTM1F-100	10	7.9	55	7.9	50	3.7	130
CTM1F-120	12	2.5	45	2.5	40	2.7	155
CTM1F-150	15	2.5	40	2.5	35	2.8	150
CTM1F-180	18	2.5	50	2.5	30	3.1	145
CTM1F-220	22	2.5	50	2.5	25	3.3	140
CTM1F-270	27	2.5	50	2.5	20	3.5	135
CTM1F-330	33	2.5	45	2.5	24	3.4	130
CTM1F-390	39	2.5	45	2.5	22	3.6	125
CTM1F-470	47	2.5	45	2.5	20	4.5	110
CTM1F-560	56	2.5	45	2.5	18	5.7	100
CTM1F-680	68	2.5	50	2.5	15	6.7	92
CTM1F-820	82	2.5	50	2.5	14	7.3	88
CTM1F-101	100	2.5	50	2.5	13	8.0	84
CTM1F-121	120	.79	30	.79	12	13	66
CTM1F-151	150	.79	30	.79	11	15	61
CTM1F-181	180	.79	30	.79	10	17	57
CTM1F-221	220	.79	30	.79	9.0	21	52
CTM1F-271	270	.79	30	.79	8.0	25	47
CTM1F-331	330	.79	30	.79	7.0	28	45
CTM1F-391	390	.79	30	.79	6.5	35	40
CTM1F-471	470	.79	30	.79	6.0	42	36
CTM1F-561	560	.79	30	.79	5.0	46	35
CTM1F-681	680	.79	30	.79	4.0	60	30
CTM1F-821	820	.79	30	.79	3.8	65	29
CTM1F-102	1000	.79	30	.79	3.4	72	28