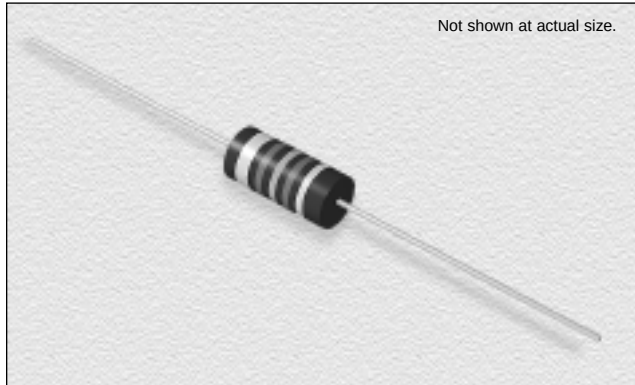


CTM2 Series

From .10 μ H to 1,000 μ H

ENGINEERING KIT #1



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

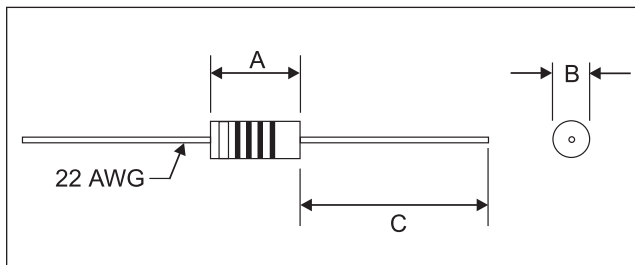
Core: Magnetic core (ferrite or iron) except for values 0.10 μ H to 4.7 μ H (phenolic)

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.	22 AWG 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 tolerance code when ordering.
CTM2-360_ ← 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)
CTM2-R10K	.10	25	50	25	525	.03	2740
CTM2-R15M	.15	25	50	25	525	.03	2740
CTM2-R22M	.22	25	50	25	450	.05	2020
CTM2-R33M	.33	25	45	25	360	.09	1580
CTM2-R39K	.39	25	45	25	330	.11	1420
CTM2-R47M	.47	25	45	25	310	.12	1370
CTM2-R56K	.56	25	50	25	280	.14	1290
CTM2-R68K	.68	25	50	25	250	.15	1220
CTM2-R82K	.82	25	50	25	220	.22	1020
CTM2-1R0K	1.0	25	50	25	200	.29	880
CTM2-1R2K	1.2	7.9	33	7.9	180	.42	730
CTM2-1R5K	1.5	7.9	33	7.9	160	.50	670
CTM2-1R8K	1.8	7.9	33	7.9	150	.65	590
CTM2-2R2K	2.2	7.9	33	7.9	135	.95	485
CTM2-2R7K	2.7	7.9	33	7.9	120	1.2	430
CTM2-3R3K	3.3	7.9	33	7.9	110	2.0	335
CTM2-3R9K	3.9	7.9	33	7.9	100	2.3	310
CTM2-4R7K	4.7	7.9	33	7.9	90	2.6	294
CTM2-5R6K	5.6	7.9	45	7.9	55	.32	565
CTM2-6R8K	6.8	7.9	50	7.9	55	.50	450
CTM2-8R2K	8.2	7.9	50	7.9	50	.60	410
CTM2-100K	10	7.9	55	7.9	45	.90	335
CTM2-120K	12	2.5	65	2.5	42	1.1	305
CTM2-150K	15	2.5	65	2.5	40	1.4	271
CTM2-180K	18	2.5	75	2.5	34	2.3	213
CTM2-220K	22	2.5	75	2.5	30	2.5	202
CTM2-240K	24	2.5	60	2.5	26	2.5	202
CTM2-270K	27	2.5	60	2.5	25	2.6	198
CTM2-300K	30	2.5	65	2.5	21	2.8	191
CTM2-330K	33	2.5	65	2.5	19	3.0	185
CTM2-360_	36	2.5	60	2.5	15	2.5	202
CTM2-390_	39	2.5	60	2.5	14	2.6	198
CTM2-430_	43	2.5	60	2.5	14	2.7	194
CTM2-470_	47	2.5	55	2.5	13	2.8	193
CTM2-510_	51	2.5	55	2.5	13	2.9	189
CTM2-560_	56	2.5	55	2.5	12	3.0	184
CTM2-620_	62	2.5	55	2.5	11	3.2	180
CTM2-680_	68	2.5	55	2.5	11	3.3	176
CTM2-750_	75	2.5	55	2.5	10	3.7	166
CTM2-820_	82	2.5	50	2.5	10	3.9	162
CTM2-910_	91	2.5	50	2.5	10	4.3	154
CTM2-101_	100	2.5	50	2.5	9.5	4.5	151
CTM2-111_	110	.79	60	.79	8.9	4.9	144
CTM2-121_	120	.79	65	.79	8.7	5.2	140
CTM2-131_	130	.79	65	.79	8.5	5.5	137
CTM2-151_	150	.79	65	.79	8.0	6.1	130
CTM2-161_	160	.79	65	.79	7.5	6.4	126
CTM2-181_	180	.79	65	.79	8.0	6.1	130
CTM2-201_	200	.79	65	.79	6.5	7.1	123
CTM2-221_	220	.79	65	.79	6.2	7.5	117
CTM2-241_	240	.79	65	.79	5.9	7.8	115
CTM2-271_	270	.79	65	.79	5.7	11	143
CTM2-301_	300	.79	65	.79	5.4	11	140
CTM2-331_	330	.79	65	.79	5.1	12	136
CTM2-361_	360	.79	65	.79	4.8	12	134
CTM2-391_	390	.79	65	.79	4.5	16	117
CTM2-431_	430	.79	65	.79	4.2	17	115
CTM2-471_	470	.79	65	.79	3.9	18	112
CTM2-511_	510	.79	65	.79	3.7	19	109
CTM2-561_	560	.79	65	.79	3.8	19	107
CTM2-621_	620	.79	65	.79	3.3	26	93
CTM2-681_	680	.79	65	.79	3.1	27	91
CTM2-751_	750	.79	65	.79	2.9	28	88
CTM2-821_	820	.79	65	.79	2.7	30	86
CTM2-911_	910	.79	65	.79	2.5	31	84
CTM2-102_	1000	.79	65	.79	2.3	33	82

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