

CTM2474F Series

From 1.0 μ H to 18,000 μ H



CHARACTERISTICS

- Description:** Axial leaded molded inductor
- Applications:** Used for various kinds of OSC and TRAP coils
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:** $\pm 15\%$
- Testing:** Inductance and Q are tested on an HP4284A at 1kHz. Inductance measured at 1V with no DC current
- Packaging:** Tape & Reel, 1,000 parts per reel
- Marking:** Parts are marked with inductance code
- Material:** Molded epoxy resin over coil
- Rated Current:** Current rating 40°C rise over 85°C ambient
- Maximum power dissipation at 85°C ambient:** 0.50W
- Incremental Current:** Current at which the inductance will be decreased by a maximum of 5% from its zero DC value
- Miscellaneous:** **RoHS Compliant**
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

SPECIFICATIONS

Parts are only available in $\pm 15\%$ inductance tolerance

Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR Max. (Ω)	Current Rating Max. (A)	Incr. Current (A)
CTM2474F-1R0L	1.0	1.0	0.009	6.27	6.4
CTM2474F-1R2L	1.2	1.0	0.010	5.95	5.8
CTM2474F-1R5L	1.5	1.0	0.011	5.67	5.2
CTM2474F-1R8L	1.8	1.0	0.012	5.43	4.8
CTM2474F-2R2L	2.2	1.0	0.013	5.22	4.3
CTM2474F-2R7L	2.7	1.0	0.014	5.03	3.9
CTM2474F-3R3L	3.3	1.0	0.016	4.70	3.5
CTM2474F-3R9L	3.9	1.0	0.017	4.56	3.2
CTM2474F-4R7L	4.7	1.0	0.022	4.01	2.9
CTM2474F-5R6L	5.6	1.0	0.024	3.84	2.7
CTM2474F-6R8L	6.8	1.0	0.026	3.69	2.5
CTM2474F-8R2L	8.2	1.0	0.028	3.55	2.2
CTM2474F-100L	10	1.0	0.033	3.27	2.0
CTM2474F-120L	12	1.0	0.037	3.09	1.8
CTM2474F-150L	15	1.0	0.040	2.97	1.6
CTM2474F-180L	18	1.0	0.044	2.84	1.5
CTM2474F-220L	22	1.0	0.050	2.66	1.4
CTM2474F-270L	27	1.0	0.070	2.25	1.2
CTM2474F-330L	33	1.0	0.075	2.17	1.1
CTM2474F-390L	39	1.0	0.084	2.05	1.0
CTM2474F-470L	47	1.0	0.104	1.84	0.93
CTM2474F-560L	56	1.0	0.130	1.65	0.85
CTM2474F-680L	68	1.0	0.145	1.56	0.77
CTM2474F-820L	82	1.0	0.152	1.53	0.71
CTM2474F-101L	100	1.0	0.208	1.30	0.64
CTM2474F-121L	120	1.0	0.283	1.12	0.58
CTM2474F-151L	150	1.0	0.330	1.04	0.52
CTM2474F-181L	180	1.0	0.362	0.99	0.48
CTM2474F-221L	220	1.0	0.505	0.84	0.43
CTM2474F-271L	270	1.0	0.557	0.80	0.39
CTM2474F-331L	330	1.0	0.650	0.74	0.35
CTM2474F-391L	390	1.0	0.770	0.68	0.32
CTM2474F-471L	470	1.0	1.03	0.59	0.29
CTM2474F-561L	560	1.0	1.14	0.56	0.27
CTM2474F-681L	680	1.0	1.50	0.49	0.25
CTM2474F-821L	820	1.0	1.98	0.42	0.22
CTM2474F-102L	1000	1.0	2.30	0.39	0.20
CTM2474F-122L	1200	1.0	2.55	0.37	0.18
CTM2474F-152L	1500	1.0	3.00	0.34	0.16
CTM2474F-182L	1800	1.0	4.00	0.30	0.15
CTM2474F-222L	2200	1.0	4.40	0.28	0.14
CTM2474F-272L	2700	1.0	5.80	0.25	0.12
CTM2474F-332L	3300	1.0	6.56	0.23	0.11
CTM2474F-392L	3900	1.0	8.63	0.20	0.10
CTM2474F-472L	4700	1.0	10.1	0.19	0.09
CTM2474F-562L	5600	1.0	11.2	0.18	0.09
CTM2474F-682L	6800	1.0	15.0	0.15	0.08
CTM2474F-822L	8200	1.0	20.8	0.13	0.07
CTM2474F-103L	10000	1.0	23.4	0.12	0.06
CTM2474F-123L	12000	1.0	26.0	0.12	0.06
CTM2474F-153L	15000	1.0	36.0	0.10	0.05
CTM2474F-183L	18000	1.0	40.0	0.09	0.05

PHYSICAL DIMENSIONS

Size	A	B	C
mm	18.8 \pm 0.25	6.10 \pm 0.25	36.6 \pm 3.05
inches	0.74 \pm 0.01	0.24 \pm 0.01	1.44 \pm 0.12

