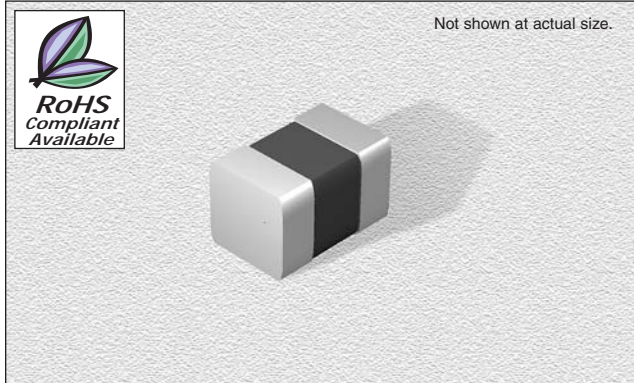


CTML0805 Series

From .047 μH to 33 μH

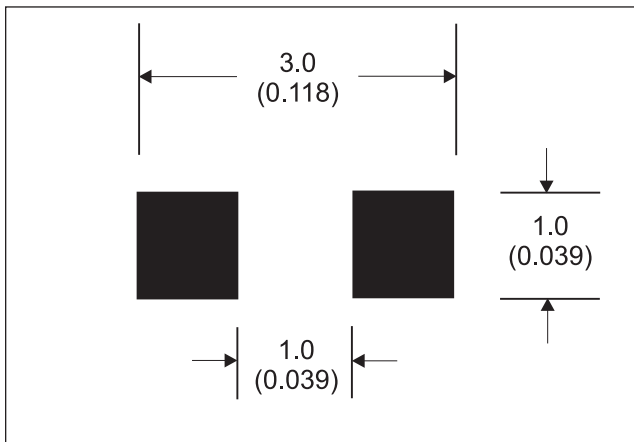
ENGINEERING KIT #17



CHARACTERISTICS

- Description:** Ferrite core, multi-layer chip inductor
- Applications:** LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:** $\pm 5\%$, $\pm 10\%$ & $\pm 20\%$
- Testing:** Inductance and Q are tested on an HP4285A or HP4286A at specified frequency
- Packaging:** Tape & Reel
- Marking:** Reels marked with inductance code and tolerance
- Miscellaneous:** RoHS Compliant available
- Additional Information:** Additional electrical & physical information available upon request
- Samples available.** See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

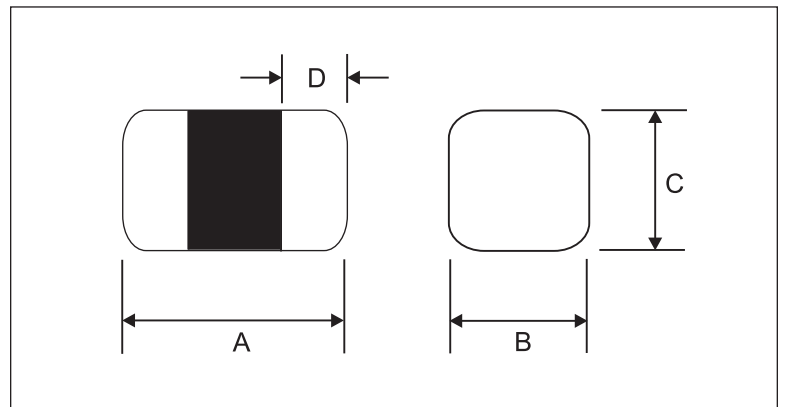
Please specify tolerance code when ordering.
 CTML0805-R10_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$
 * K or M only

CTML0805E Please specify "F" for RoHS Compliant

Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)	Height C (mm)
CTML0805_-R047M	.047	50	15	50	320	.20	300	0.90 \pm 0.2
CTML0805_-R068M	.068	50	15	50	280	.20	300	0.90 \pm 0.2
CTML0805_-R082M	.082	50	15	50	255	.20	300	0.90 \pm 0.2
CTML0805_-R10_	.10	25	20	25	235	.30	250	0.90 \pm 0.2
CTML0805_-R12_	.12	25	20	25	220	.30	250	0.90 \pm 0.2
CTML0805_-R15_	.15	25	20	25	200	.40	250	0.90 \pm 0.2
CTML0805_-R18_	.18	25	20	25	185	.40	250	0.90 \pm 0.2
CTML0805_-R22_	.22	25	20	25	170	.50	250	0.90 \pm 0.2
CTML0805_-R27_	.27	25	20	25	150	.50	250	0.90 \pm 0.2
CTML0805_-R33_	.33	25	25	25	145	.55	250	0.90 \pm 0.2
CTML0805_-R39_	.39	25	25	25	135	.65	200	0.90 \pm 0.2
CTML0805_-R47_	.47	25	25	25	125	.65	200	0.90 \pm 0.2
CTML0805_-R56_	.56	25	25	25	115	.75	150	0.90 \pm 0.2
CTML0805_-R68_	.68	25	25	25	105	.80	150	0.90 \pm 0.2
CTML0805_-R82_	.82	25	25	25	100	1.0	150	0.90 \pm 0.2
CTML0805_-1R0_	1.0	10	45	10	75	.40	50	0.90 \pm 0.2
CTML0805_-1R2_	1.2	10	45	10	65	.50	50	0.90 \pm 0.2
CTML0805_-1R5_	1.5	10	45	10	60	.50	50	0.90 \pm 0.2
CTML0805_-1R8_	1.8	10	45	10	55	.60	50	0.90 \pm 0.2
CTML0805_-2R2_	2.2	10	45	10	50	.65	30	0.90 \pm 0.2
CTML0805_-2R7_	2.7	10	45	10	45	.75	30	1.25 \pm 0.2
CTML0805_-3R3_	3.3	10	45	10	41	.80	30	1.25 \pm 0.2
CTML0805_-3R9_	3.9	10	45	10	38	.90	30	1.25 \pm 0.2
CTML0805_-4R7_	4.7	10	45	10	35	1.0	30	1.25 \pm 0.2
CTML0805_-5R6_	5.6	4.0	50	4.0	32	.90	15	1.25 \pm 0.2
CTML0805_-6R8_	6.8	4.0	50	4.0	29	1.0	15	1.25 \pm 0.2
CTML0805_-8R2_	8.2	4.0	50	4.0	26	1.1	15	1.25 \pm 0.2
CTML0805_-100_*	10	2.0	45	2.0	24	1.1	15	1.25 \pm 0.2
CTML0805_-120_*	12	2.0	50	2.0	22	1.2	15	1.25 \pm 0.2
CTML0805_-150_*	15	1.0	30	1.0	19	.80	5.0	1.25 \pm 0.2
CTML0805_-180_*	18	1.0	30	1.0	18	.90	5.0	1.25 \pm 0.2
CTML0805_-220_*	22	1.0	30	1.0	16	1.1	5.0	1.25 \pm 0.2
CTML0805_-270_*	27	1.0	30	1.0	14	1.1	5.0	1.25 \pm 0.2
CTML0805_-330_*	33	.40	30	.40	13	1.2	5.0	1.25 \pm 0.2

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2 \pm 0.2	1.25 \pm 0.2	See	0.5 \pm 0.3
inches	0.08 \pm 0.008	0.05 \pm 0.008	Ordering Info	0.02 \pm 0.012



03.18.05