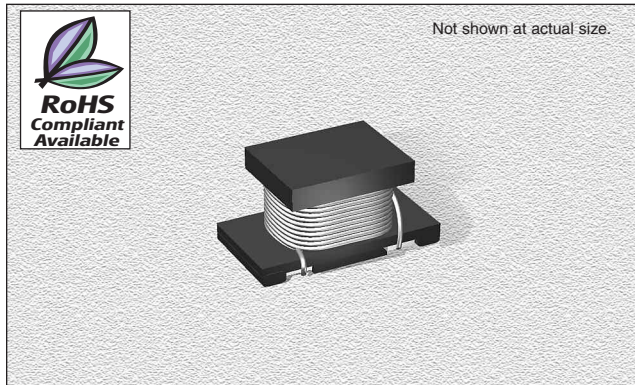


CTLQ1812C Series

From 1.0 μ H to 470 μ H

ENGINEERING KIT #25F



CHARACTERISTICS

Description: SMD power inductor

Applications: Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.

Operating Temperature: -25°C to +85°C

Inductance Tolerance: K = $\pm 10\%$, M = $\pm 20\%$

Packaging: Tape & Reel

Miscellaneous: RoHS Compliant available.

Testing: Tested on a HP4285A @ a specified frequency

Pads: Soft copper and pre-tinned

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

SPECIFICATIONS

Parts numbers indicate inductance tolerance available.

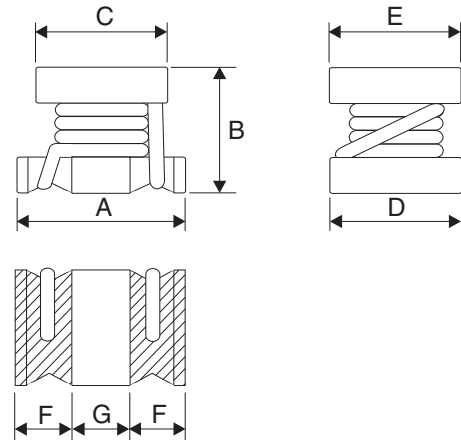
K = $\pm 10\%$, M = $\pm 20\%$

CTLQ1812CE Please specify "F" for RoHS compliant

Part Number	Inductance (μ H)	Test Freq. (Hz)	DCR (Ω) Max.	SRF (MHz) Min.	Rated DC (mA) Max.
CTLQ1812C_-1R0M	1.0	1M	0.08	100	1080
CTLQ1812C_-1R5M	1.5	1M	0.09	85	1000
CTLQ1812C_-2R2M	2.2	1M	0.11	60	900
CTLQ1812C_-3R3M	3.3	1M	0.13	47	800
CTLQ1812C_-4R7M	4.7	1M	0.15	35	750
CTLQ1812C_-6R8M	6.8	1M	0.20	30	720
CTLQ1812C_-100K	10	1M	0.24	23	650
CTLQ1812C_-150K	15	1M	0.32	20	570
CTLQ1812C_-220K	22	1M	0.60	15	420
CTLQ1812C_-330K	33	1M	1.00	12	310
CTLQ1812C_-470K	47	1M	1.10	10	280
CTLQ1812C_-680K	68	1M	1.70	8.4	220
CTLQ1812C_-101K	100	1M	2.20	6.8	190
CTLQ1812C_-151K	150	1M	3.50	5.5	130
CTLQ1812C_-221K	220	1M	4.00	4.5	110
CTLQ1812C_-331K	330	1M	6.80	3.6	100
CTLQ1812C_-471K	470	1k	8.50	3.0	90

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F Min.	G Min.
mm	4.5 $\pm$ 0.3	2.6 $\pm$ 0.2	3.6 $\pm$ 0.2	3.2 $\pm$ 0.2	3.2 $\pm$ 0.2	1.0	1.0
inches	0.18 $\pm$ 0.01	0.10 $\pm$ 0.008	0.14 $\pm$ 0.008	0.12 $\pm$ 0.008	0.12 $\pm$ 0.008	0.04	0.04



05.19.06