

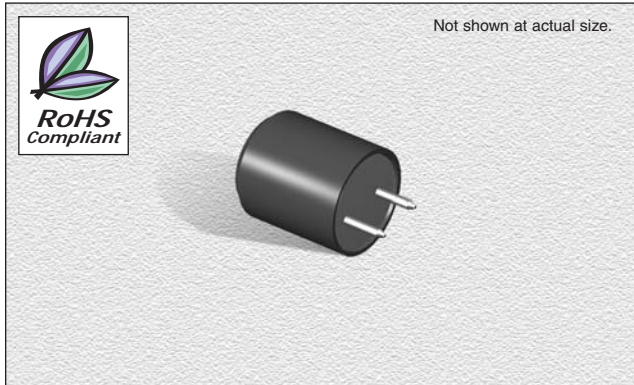
## CT181LYF Series

### From 1.0 mH to 120 mH

### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CT181LYF-102\_ ← J = ±5%, K = ±10%

\* The rated DC current is that which the inductance value decrease 10% by the excitation DC current, measured at 1kHz by universal bridge or equivalent.



### CHARACTERISTICS

- Description:** Radial leaded (shielded) fixed inductor
- Applications:** Ideal as a choke coil for noise filtering. Suitable for use in audio processing circuit for low, high and bandpass filtering
- Operating Temperature:** -20°C to +125°C
- Inductance Tolerance:** ±5%, ±10%
- Testing:** Inductance and Q are tested on an HP4284A at 1.0 kHz
- Packaging:** Bulk pack; packaged in styrofoam
- Marking:** Marked with inductance on top of part
- Miscellaneous:** **RoHS Compliant.** Magnetically shielded
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

Part Number	Inductance (mH)	L Test Freq. (kHz)	Q Fact. Min.	Q Test Freq. (kHz)	SRF Min. (MHz)	DCR Max. (Ω)	*Rated DC (mA)
CT181LYF-102_	1.0	1.0	70	50	.77	3.4	90
CT181LYF-122_	1.2	1.0	70	50	.70	3.7	75
CT181LYF-152_	1.5	1.0	70	50	.64	4.0	70
CT181LYF-182_	1.8	1.0	70	50	.57	4.5	65
CT181LYF-222_	2.2	1.0	70	50	.51	5.2	60
CT181LYF-272_	2.7	1.0	100	50	.48	5.8	55
CT181LYF-332_	3.3	1.0	100	50	.44	6.1	50
CT181LYF-392_	3.9	1.0	100	50	.41	7.2	45
CT181LYF-472_	4.7	1.0	100	50	.38	7.5	40
CT181LYF-562_	5.6	1.0	100	50	.35	8.4	40
CT181LYF-682_	6.8	1.0	100	50	.32	9.7	35
CT181LYF-822_	8.2	1.0	100	50	.28	10	30
CT181LYF-103_	10	1.0	100	50	.25	12	25
CT181LYF-123_	12	1.0	100	50	.22	13	25
CT181LYF-153_	15	1.0	100	50	.22	15	20
CT181LYF-183_	18	1.0	100	50	.19	17	22
CT181LYF-223_	22	1.0	100	50	.19	19	21
CT181LYF-273_	27	1.0	100	50	.16	22	18
CT181LYF-333_	33	1.0	100	50	.16	26	17
CT181LYF-363_	36	1.0	100	50	.20	27	16
CT181LYF-393_	39	1.0	100	50	.12	45	15
CT181LYF-473_	47	1.0	100	50	.12	52	13
CT181LYF-563_	56	1.0	100	50	.12	58	12
CT181LYF-683_	68	1.0	100	50	.09	67	11
CT181LYF-823_	82	1.0	100	50	.09	71	10
CT181LYF-104_	100	1.0	100	50	.09	82	9
CT181LYF-124_	120	1.0	100	50	.08	97	8

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Nom.	D Nom.	E Nom.
mm	14	10.8	4	5	0.7
inches	0.55	0.43	0.16	0.2	0.028

