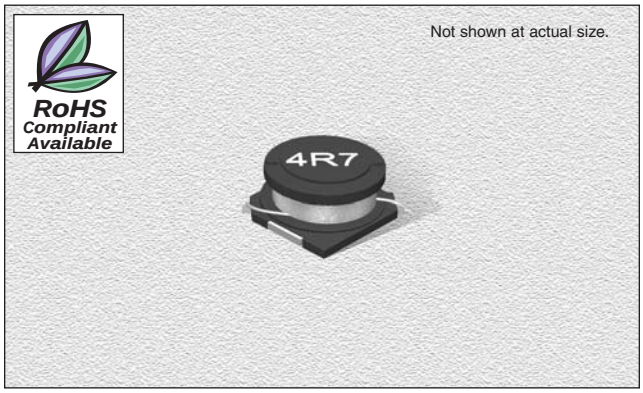
CT646FY Series

From 1.0 µH to 1000 µH



CHARACTERISTICS

Description: SMD power inductor
Applications: Ideal for a variety of DC/DC converter applications and low profile use
Operating Temperature: -30°C to +100°C
Inductance Tolerance: ±10%, ±20%
Testing: Inductance is tested on an HP4285A at 100 kHz
Packaging: Tape & Reel
Marking: Parts are marked with inductance code
Miscellaneous: RoHS Compliant available.
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

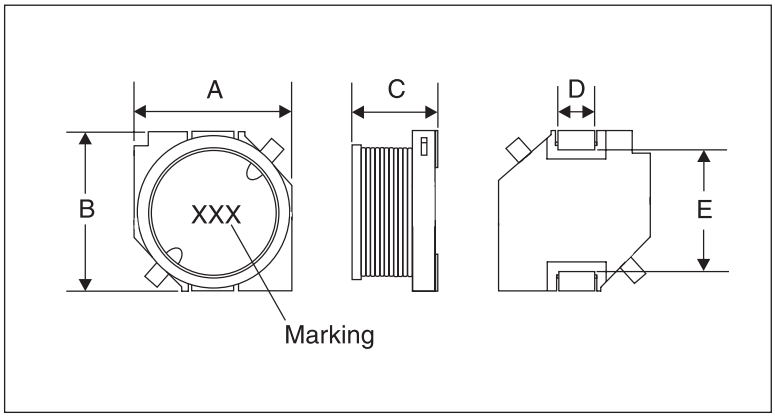
SPECIFICATIONS

Part numbers are marked to indicate tolerance available.
K = ±10%, M = ±20%
CTC646FY**F** **Please specify "F" for RoHS Compliant**

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	Rated DC (A)
CT646FY_-1R0M	1.0	100	0.023	2.880
CT646FY_-1R5M	1.5	100	0.028	2.560
CT646FY_-2R2M	2.2	100	0.032	2.360
CT646FY_-2R7M	2.7	100	0.035	2.360
CT646FY_-3R3M	3.3	100	0.038	2.160
CT646FY_-3R9M	3.9	100	0.042	2.160
CT646FY_-4R7M	4.7	100	0.049	1.880
CT646FY_-5R6M	5.6	100	0.055	1.880
CT646FY_-6R8M	6.8	100	0.055	1.880
CT646FY_-8R2M	8.2	100	0.067	1.680
CT646FY_-100M	10	100	0.070	1.560
CT646FY_-120M	12	100	0.080	1.440
CT646FY_-150M	15	100	0.090	1.360
CT646FY_-180M	18	100	0.100	1.280
CT646FY_-220M	22	100	0.120	1.170
CT646FY_-270M	27	100	0.140	1.070
CT646FY_-330M	33	100	0.160	1.000
CT646FY_-390M	39	100	0.190	0.910
CT646FY_-470M	47	100	0.220	0.840
CT646FY_-560M	56	100	0.290	0.720
CT646FY_-680M	68	100	0.340	0.660
CT646FY_-820M	82	100	0.460	0.580
CT646FY_-101M	100	100	0.550	0.510
CT646FY_-121K	120	100	0.670	0.420
CT646FY_-151K	150	100	0.900	0.370
CT646FY_-181K	180	100	1.050	0.350
CT646FY_-221K	220	100	1.350	0.290
CT646FY_-271K	270	100	1.550	0.280
CT646FY_-331K	330	100	2.050	0.230
CT646FY_-391K	390	100	2.300	0.215
CT646FY_-471K	470	100	2.600	0.195
CT646FY_-561M	560	100	2.900	0.185
CT646FY_-681M	680	100	3.400	0.170
CT646FY_-821M	820	100	4.200	0.165
CT646FY_-102M	1000	100	5.390	0.150

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E Max.
mm	7.4	7.4	5.5	2.0±0.2	5.4
inches	0.29	0.29	0.22	0.08±0.008	0.21



CENTRAL Technologies
Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids
800-684-5322 Inside US **949-453-1811** Outside US
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