

## CTRL5480F-4

### Series

From 3.9  $\mu\text{H}$  to 100,000  $\mu\text{H}$



#### CHARACTERISTICS

**Description:** Radial leaded fixed inductor.

**Applications:** Power supplies, Switching Regulators, SCR and TRIAC Controls, RFI Suppression, Filters, etc.

**Operating Temperature:** -55°C to +125°C

**Saturation Current:** Based on the inductance change within 5% of initial value less than 30°C within coil body.

**Inductance Tolerance:**  $\pm 10\%$

**Testing:** Inductance is tested on an HP4284A at 1.0KHz.

**Packaging:** Bulk pack.

**Marking:** Parts are marked with inductance code.

**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

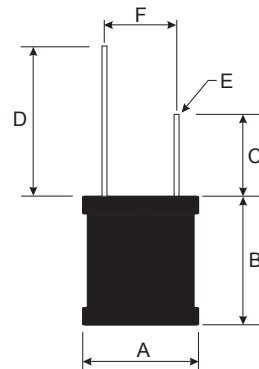
#### SPECIFICATIONS

Parts are available in  $\pm 10\%$  inductance tolerance only.

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (KHz)	DCR ( $\Omega$ ) Max.	Saturation Current (A)	Rated Current (A)
CTRL5480F-4-3R9K	3.9	1.0	0.016	14.20	2.60
CTRL5480F-4-4R7K	4.7	1.0	0.018	13.00	2.60
CTRL5480F-4-5R6K	5.6	1.0	0.021	11.00	2.60
CTRL5480F-4-6R8K	6.8	1.0	0.023	10.00	2.60
CTRL5480F-4-8R2K	8.2	1.0	0.026	9.50	2.60
CTRL5480F-4-100K	10	1.0	0.031	8.80	2.60
CTRL5480F-4-120K	12	1.0	0.036	7.90	2.60
CTRL5480F-4-150K	15	1.0	0.040	7.40	2.60
CTRL5480F-4-180K	18	1.0	0.041	7.10	2.60
CTRL5480F-4-220K	22	1.0	0.043	6.10	2.60
CTRL5480F-4-270K	27	1.0	0.046	5.50	2.60
CTRL5480F-4-330K	33	1.0	0.051	5.20	2.60
CTRL5480F-4-390K	39	1.0	0.054	4.10	2.60
CTRL5480F-4-470K	47	1.0	0.063	4.50	2.60
CTRL5480F-4-560K	56	1.0	0.075	3.80	2.60
CTRL5480F-4-680K	68	1.0	0.078	3.50	2.60
CTRL5480F-4-820K	82	1.0	0.088	3.10	2.60
CTRL5480F-4-101K	100	1.0	0.108	2.80	2.00
CTRL5480F-4-121K	120	1.0	0.127	2.60	2.00
CTRL5480F-4-151K	150	1.0	0.162	2.40	1.60
CTRL5480F-4-181K	180	1.0	0.228	2.10	1.30
CTRL5480F-4-221K	220	1.0	0.252	1.90	1.30
CTRL5480F-4-271K	270	1.0	0.270	1.75	1.30
CTRL5480F-4-331K	330	1.0	0.394	1.62	1.00
CTRL5480F-4-391K	390	1.0	0.416	1.40	1.00
CTRL5480F-4-471K	470	1.0	0.568	1.30	0.800
CTRL5480F-4-561K	560	1.0	0.650	1.20	0.800
CTRL5480F-4-681K	680	1.0	0.740	1.10	0.800
CTRL5480F-4-821K	820	1.0	1.00	0.960	0.620
CTRL5480F-4-102K	1000	1.0	1.20	0.880	0.490
CTRL5480F-4-122K	1200	1.0	1.50	0.800	0.490
CTRL5480F-4-152K	1500	1.0	1.70	0.720	0.490
CTRL5480F-4-182K	1800	1.0	1.80	0.660	0.385
CTRL5480F-4-222K	2200	1.0	2.40	0.600	0.385
CTRL5480F-4-272K	2700	1.0	2.80	0.540	0.385
CTRL5480F-4-332K	3300	1.0	3.70	0.480	0.300
CTRL5480F-4-392K	3900	1.0	5.00	0.420	0.250
CTRL5480F-4-472K	4700	1.0	5.60	0.400	0.250
CTRL5480F-4-562K	5600	1.0	6.30	0.370	0.250
CTRL5480F-4-682K	6800	1.0	8.40	0.340	0.190
CTRL5480F-4-822K	8200	1.0	9.60	0.310	0.190
CTRL5480F-4-103K	10000	1.0	10.5	0.285	0.190
CTRL5480F-4-123K	12000	1.0	14.5	0.245	0.150
CTRL5480F-4-153K	15000	1.0	20.5	0.225	0.120
CTRL5480F-4-183K	18000	1.0	27.5	0.185	0.095
CTRL5480F-4-223K	22000	1.0	31.0	0.170	0.095
CTRL5480F-4-273K	27000	1.0	35.5	0.155	0.095
CTRL5480F-4-333K	33000	1.0	40.0	0.145	0.095
CTRL5480F-4-393K	39000	1.0	51.0	0.135	0.095
CTRL5480F-4-473K	47000	1.0	56.0	0.130	0.095
CTRL5480F-4-563K	56000	1.0	77.0	0.120	0.060
CTRL5480F-4-683K	68000	1.0	84.0	0.110	0.060
CTRL5480F-4-823K	82000	1.0	115.0	0.074	0.046
CTRL5480F-4-104K	100000	1.0	130.0	0.068	0.046

#### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	11.4 $\pm$ 1.27	18.0 $\pm$ 1.27	9.5 $\pm$ 1.27	15.8 $\pm$ 1.27	0.81	7.37 $\pm$ 1.27
inches	0.450 $\pm$ 0.050	0.710 $\pm$ 0.050	0.375 $\pm$ 0.050	0.625 $\pm$ 0.050	0.032	0.290 $\pm$ 0.050



Note: Leads easily formable to "F" dimension.