

## CTRL5480F-3

### Series

From 3.9  $\mu\text{H}$  to 68,000  $\mu\text{H}$



Not Shown at Actual Size

### 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.**

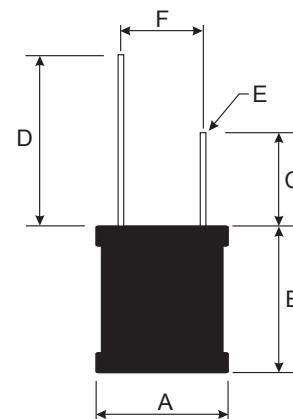
### SPECIFICATIONS

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-3-3R9K	3.9	1.0	0.022	6.80	1.60
CTRL5480F-3-4R7K	4.7	1.0	0.024	6.20	1.60
CTRL5480F-3-5R6K	5.6	1.0	0.025	5.60	1.60
CTRL5480F-3-6R8K	6.8	1.0	0.028	5.10	1.60
CTRL5480F-3-8R2K	8.2	1.0	0.030	4.60	1.60
CTRL5480F-3-100K	10	1.0	0.034	4.20	1.60
CTRL5480F-3-120K	12	1.0	0.038	3.80	1.60
CTRL5480F-3-150K	15	1.0	0.043	3.30	1.60
CTRL5480F-3-180K	18	1.0	0.049	3.10	1.60
CTRL5480F-3-220K	22	1.0	0.054	2.70	1.60
CTRL5480F-3-270K	27	1.0	0.059	2.50	1.60
CTRL5480F-3-330K	33	1.0	0.066	2.30	1.60
CTRL5480F-3-390K	39	1.0	0.078	2.20	1.60
CTRL5480F-3-470K	47	1.0	0.102	1.90	1.30
CTRL5480F-3-560K	56	1.0	0.138	1.60	1.00
CTRL5480F-3-680K	68	1.0	0.168	1.45	1.00
CTRL5480F-3-820K	82	1.0	0.174	1.30	1.00
CTRL5480F-3-101K	100	1.0	0.180	1.20	1.00
CTRL5480F-3-121K	120	1.0	0.234	1.10	0.800
CTRL5480F-3-151K	150	1.0	0.276	1.00	0.800
CTRL5480F-3-181K	180	1.0	0.300	0.920	0.800
CTRL5480F-3-221K	220	1.0	0.353	0.860	0.800
CTRL5480F-3-271K	270	1.0	0.500	0.760	0.620
CTRL5480F-3-331K	330	1.0	0.635	0.700	0.490
CTRL5480F-3-391K	390	1.0	0.720	0.650	0.490
CTRL5480F-3-471K	470	1.0	0.816	0.600	0.490
CTRL5480F-3-561K	560	1.0	1.03	0.540	0.385
CTRL5480F-3-681K	680	1.0	1.20	0.510	0.385
CTRL5480F-3-821K	820	1.0	1.54	0.450	0.300
CTRL5480F-3-102K	1000	1.0	2.16	0.390	0.246
CTRL5480F-3-122K	1200	1.0	2.40	0.360	0.246
CTRL5480F-3-152K	1500	1.0	2.76	0.340	0.246
CTRL5480F-3-182K	1800	1.0	3.60	0.300	0.190
CTRL5480F-3-222K	2200	1.0	4.00	0.245	0.190
CTRL5480F-3-272K	2700	1.0	6.00	0.238	0.150
CTRL5480F-3-332K	3300	1.0	6.72	0.225	0.150
CTRL5480F-3-392K	3900	1.0	8.80	0.200	0.120
CTRL5480F-3-472K	4700	1.0	11.00	0.185	0.095
CTRL5480F-3-562K	5600	1.0	13.20	0.170	0.095
CTRL5480F-3-682K	6800	1.0	14.50	0.150	0.095
CTRL5480F-3-822K	8200	1.0	16.55	0.140	0.095
CTRL5480F-3-103K	10000	1.0	20.40	0.130	0.076
CTRL5480F-3-123K	12000	1.0	24.00	0.120	0.076
CTRL5480F-3-153K	15000	1.0	27.60	0.100	0.076
CTRL5480F-3-183K	18000	1.0	37.20	0.096	0.060
CTRL5480F-3-223K	22000	1.0	42.00	0.088	0.060
CTRL5480F-3-273K	27000	1.0	58.80	0.082	0.046
CTRL5480F-3-333K	33000	1.0	64.80	0.074	0.046
CTRL5480F-3-393K	39000	1.0	72.00	0.064	0.046
CTRL5480F-3-473K	47000	1.0	94.20	0.046	0.036
CTRL5480F-3-563K	56000	1.0	105.00	0.043	0.036
CTRL5480F-3-683K	68000	1.0	115.00	0.040	0.036

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	9.5 $\pm$ 1.27	11.4 $\pm$ 1.27	9.5 $\pm$ 1.27	15.8 $\pm$ 1.27	0.81	5.0 $\pm$ 1.27
inches	0.375 $\pm$ 0.050	0.450 $\pm$ 0.050	0.375 $\pm$ 0.050	0.625 $\pm$ 0.050	0.032	0.197 $\pm$ 0.050



Note: Leads easily formable to "F" dimension.