

CTRL5480F-5

Series

From 3.9 μH to 270,000 μH



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 (μH)	L Test Freq. (KHz)	DCR (Ω) Max.	Saturation Current (A)	Rated Current (A)
CTRL5480F-5-3R9K	3.9	1.0	0.009	9.70	4.0
CTRL5480F-5-4R7K	4.7	1.0	0.010	8.50	4.0
CTRL5480F-5-5R6K	5.6	1.0	0.011	7.60	4.0
CTRL5480F-5-6R8K	6.8	1.0	0.012	7.20	4.0
CTRL5480F-5-8R2K	8.2	1.0	0.013	6.60	4.0
CTRL5480F-5-100K	10	1.0	0.015	5.90	4.0
CTRL5480F-5-120K	12	1.0	0.016	5.50	4.0
CTRL5480F-5-150K	15	1.0	0.017	5.00	4.0
CTRL5480F-5-180K	18	1.0	0.019	4.60	4.0
CTRL5480F-5-220K	22	1.0	0.021	4.10	4.0
CTRL5480F-5-270K	27	1.0	0.023	3.70	4.0
CTRL5480F-5-330K	33	1.0	0.027	3.30	4.0
CTRL5480F-5-390K	39	1.0	0.029	3.00	4.0
CTRL5480F-5-470K	47	1.0	0.031	2.70	4.0
CTRL5480F-5-560K	56	1.0	0.035	2.50	4.0
CTRL5480F-5-680K	68	1.0	0.041	2.40	4.0
CTRL5480F-5-820K	82	1.0	0.052	2.30	4.0
CTRL5480F-5-101K	100	1.0	0.056	2.10	4.0
CTRL5480F-5-121K	120	1.0	0.060	1.90	3.3
CTRL5480F-5-151K	150	1.0	0.078	1.60	3.3
CTRL5480F-5-181K	180	1.0	0.096	1.45	3.3
CTRL5480F-5-221K	220	1.0	0.147	1.30	2.6
CTRL5480F-5-271K	270	1.0	0.175	1.20	2.6
CTRL5480F-5-331K	330	1.0	0.192	1.10	2.0
CTRL5480F-5-391K	390	1.0	0.210	1.00	2.0
CTRL5480F-5-471K	470	1.0	0.240	0.900	2.0
CTRL5480F-5-561K	560	1.0	0.315	0.840	1.60
CTRL5480F-5-681K	680	1.0	0.360	0.780	1.60
CTRL5480F-5-821K	820	1.0	0.460	0.640	1.30
CTRL5480F-5-102K	1000	1.0	0.540	0.575	1.30
CTRL5480F-5-122K	1200	1.0	0.660	0.560	1.30
CTRL5480F-5-152K	1500	1.0	0.780	0.520	1.00
CTRL5480F-5-182K	1800	1.0	0.900	0.480	1.00
CTRL5480F-5-222K	2200	1.0	1.20	0.440	0.800
CTRL5480F-5-272K	2700	1.0	1.32	0.400	0.800
CTRL5480F-5-332K	3300	1.0	1.80	0.360	0.620
CTRL5480F-5-392K	3900	1.0	2.10	0.330	0.620
CTRL5480F-5-472K	4700	1.0	2.70	0.300	0.490
CTRL5480F-5-562K	5600	1.0	3.15	0.280	0.490
CTRL5480F-5-682K	6800	1.0	3.60	0.240	0.490
CTRL5480F-5-822K	8200	1.0	4.30	0.215	0.385
CTRL5480F-5-103K	10000	1.0	5.15	0.195	0.385
CTRL5480F-5-123K	12000	1.0	5.85	0.180	0.385
CTRL5480F-5-153K	15000	1.0	8.30	0.165	0.300
CTRL5480F-5-183K	18000	1.0	10.20	0.145	0.250
CTRL5480F-5-223K	22000	1.0	11.70	0.135	0.250
CTRL5480F-5-273K	27000	1.0	13.60	0.120	0.250
CTRL5480F-5-333K	33000	1.0	18.40	0.105	0.190
CTRL5480F-5-393K	39000	1.0	21.0	0.096	0.190
CTRL5480F-5-473K	47000	1.0	27.0	0.084	0.150
CTRL5480F-5-563K	56000	1.0	30.0	0.078	0.150
CTRL5480F-5-683K	68000	1.0	34.0	0.072	0.150
CTRL5480F-5-823K	82000	1.0	51.0	0.066	0.120
CTRL5480F-5-104K	100000	1.0	64.0	0.060	0.095
CTRL5480F-5-124K	120000	1.0	72.0	0.054	0.095
CTRL5480F-5-154K	150000	1.0	84.0	0.050	0.095
CTRL5480F-5-184K	180000	1.0	106.0	0.044	0.076
CTRL5480F-5-224K	220000	1.0	120.0	0.041	0.076
CTRL5480F-5-274K	270000	1.0	174.0	0.039	0.060

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	15.9 \pm 1.27	17.8 \pm 1.27	9.5 \pm 1.27	15.8 \pm 1.27	1.02	7.62 \pm 1.27
inches	0.625 \pm 0.050	0.700 \pm 0.050	0.375 \pm 0.050	0.625 \pm 0.050	0.040	0.300 \pm 0.050

