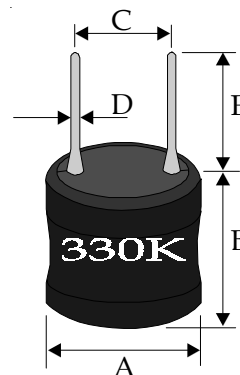


**RADIAL LEADED  
POWER INDUCTOR  
SERIES PR**

### ELECTRICAL CHARACTERISTICS

- Inductance range	PR4X6	1.0 $\mu$ H to 100 $\mu$ H
	PR6X8	1.0 $\mu$ H to 100 $\mu$ H
	PR8X10	3.9 $\mu$ H to 10000 $\mu$ H
	PR10X6	1.0 $\mu$ H to 1000 $\mu$ H
	PR10X8	1.0 $\mu$ H to 1000 $\mu$ H
	PR10X12	1.0 $\mu$ H to 1000 $\mu$ H
	PR10X14	1.0 $\mu$ H to 10000 $\mu$ H
	PR12X6	1.0 $\mu$ H to 1000 $\mu$ H
	PR12X8	1.0 $\mu$ H to 1000 $\mu$ H
	PR12X10	1.0 $\mu$ H to 1000 $\mu$ H
	PR12X12	1.0 $\mu$ H to 1000 $\mu$ H



- Tolerance	$\pm 10\%$ over entire range, Additional inductance values and $\pm 5\%$ tolerance are available by special order
- Rated current	Obtained when $I_o$ drops 10% typical
- Testing procedures	L & R are measured @1 KHz, 10 mVAC
- Test equipment	Quadtech 1750 LCR Meter

### PHYSICAL CHARACTERISTICS

- Operating temp.	-25°C to +125°C
- Finish	Covered with UL / CSA shrink tube, rated @ 125°C
- Marking	Inductance value
- Packaging	100 pieces / bag

### DIMENSIONS IN INCHES

TYPE	PRIOR SERIES	BODY DIAMETER "A" ( $\pm 0.03$ )	BODY HEIGHT "B" ( $\pm 0.04$ )	LEAD SPACING "C" ( $\pm 0.02$ )	LEAD DIAMETER "D"	LEAD LENGTH "E" min
PR4X6	PR4	0.18	0.28	0.09	24 AWG	0.50
PR6X8	PR6	0.27	0.39	0.13	22 AWG	0.50
PR8X10	PR8	0.33	0.45	0.20	22 AWG	0.50
PR10X6		0.41	0.30	0.22	21 AWG	0.50
PR10X8		0.41	0.38	0.22	21 AWG	0.50
PR10X12		0.41	0.55	0.22	21 AWG	0.50
PR10X14	PR10	0.52	0.65	0.35	20 AWG	0.50
PR12X6		0.52	0.31	0.28	19 AWG	0.50
PR12X8		0.52	0.38	0.28	19 AWG	0.50
PR12X10		0.52	0.48	0.28	19 AWG	0.50
PR12X12		0.52	0.55	0.28	19 AWG	0.50

## PR4X6 SPECIFICATIONS

Part Number	L ( $\mu\text{H}$ )	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR4X6-1R0K	1.0	0.025	3.2
PR4X6-1R2K	1.2	0.025	3.0
PR4X6-1R5K	1.5	0.030	2.5
PR4X6-1R8K	1.8	0.032	2.0
PR4X6-2R2K	2.2	0.038	1.8
PR4X6-2R7K	2.7	0.045	1.8
PR4X6-3R3K	3.3	0.050	1.5
PR4X6-3R9K	3.9	0.055	1.5
PR4X6-4R7K	4.7	0.062	1.2
PR4X6-5R6K	5.6	0.068	1.0
PR4X6-6R8K	6.8	0.075	1.0
PR4X6-8R2K	8.2	0.120	1.0
PR4X6-100K	10	0.150	1.0
PR4X6-120K	12	0.180	0.8
PR4X6-150K	15	0.200	0.7
PR4X6-180K	18	0.280	0.7
PR4X6-220K	22	0.300	0.6
PR4X6-270K	27	0.380	0.6
PR4X6-330K	33	0.420	0.5
PR4X6-470K	47	0.480	0.4
PR4X6-560K	56	0.580	0.3
PR4X6-680K	68	0.720	0.3
PR4X6-820K	82	0.900	0.3
PR4X6-101K	100	1.200	0.3

## PR6X8 SPECIFICATIONS

Part Number	L ( $\mu\text{H}$ )	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR6X8-1R0K	1.0	0.020	3.50
PR6X8-1R5K	1.5	0.025	3.20
PR6X8-1R8K	1.8	0.029	3.00
PR6X8-2R2K	2.2	0.030	2.50
PR6X8-2R7K	2.7	0.032	2.00
PR6X8-3R3K	3.3	0.039	2.00
PR6X8-3R9K	3.9	0.040	1.80
PR6X8-4R7K	4.7	0.045	1.50
PR6X8-5R6K	5.6	0.048	1.50
PR6X8-6R8K	6.8	0.050	1.20
PR6X8-8R2K	8.2	0.055	1.10
PR6X8-100K	10	0.059	1.00
PR6X8-120K	12	0.060	1.00
PR6X8-150K	15	0.068	0.90
PR6X8-180K	18	0.075	0.85
PR6X8-220K	22	0.085	0.80
PR6X8-270K	27	0.095	0.75
PR6X8-330K	33	0.120	0.70
PR6X8-390K	39	0.150	0.65
PR6X8-470K	47	0.200	0.60
PR6X8-560K	56	0.250	0.55
PR6X8-680K	68	0.300	0.50
PR6X8-820K	82	0.300	0.45
PR6X8-101K	100	0.350	0.40

## PR8X10 SPECIFICATIONS

Part Number	L ( $\mu\text{H}$ )	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR8X10-3R9K	3.9	0.019	2.000
PR8X10-4R7K	4.7	0.022	2.000
PR8X10-5R6K	5.6	0.024	2.000
PR8X10-6R8K	6.8	0.026	2.000
PR8X10-8R2K	8.2	0.028	2.000
PR8X10-100K	10	0.033	2.000
PR8X10-120K	12	0.037	2.000
PR8X10-150K	15	0.040	2.000
PR8X10-180K	18	0.044	2.000
PR8X10-220K	22	0.050	2.000
PR8X10-270K	27	0.058	2.000
PR8X10-330K	33	0.075	1.700
PR8X10-390K	39	0.094	1.350
PR8X10-470K	47	0.109	1.350
PR8X10-560K	56	0.140	1.350
PR8X10-680K	68	0.131	1.350
PR8X10-820K	82	0.152	1.350
PR8X10-101K	100	0.208	1.000
PR8X10-121K	120	0.283	0.800
PR8X10-151K	150	0.340	0.800
PR8X10-181K	180	0.362	0.800
PR8X10-221K	220	0.430	0.800
PR8X10-271K	270	0.557	0.650
PR8X10-331K	330	0.665	0.650
PR8X10-391K	390	0.772	0.650
PR8X10-471K	470	1.15	0.500
PR8X10-561K	560	1.27	0.500
PR8X10-681K	680	1.61	0.400
PR8X10-821K	820	1.96	0.350
PR8X10-102K	1000	2.30	0.350
PR8X10-122K	1200	2.65	0.350
PR8X10-152K	1500	3.45	0.250
PR8X10-182K	1800	4.03	0.250
PR8X10-222K	2200	4.48	0.250
PR8X10-272K	2700	5.40	0.200
PR8X10-332K	3300	6.56	0.200
PR8X10-392K	3900	8.63	0.160
PR8X10-472K	4700	9.66	0.160
PR8X10-562K	5600	13.9	0.130
PR8X10-682K	6800	16.3	0.130
PR8X10-822K	8200	20.8	0.100
PR8X10-103K	10000	26.4	0.080

## NOTE

Other inductance values not listed on this page are available. Please call our Sales Department for detailed information.

PR10X6 SPECIFICATIONS

Part Number	L (μH)	DCR max. (Ω)	Rated current (Amps)
PR10X6-1R0K	1.0	.010	7.0
PR10X6-1R5K	1.5	.011	7.0
PR10X6-1R8K	1.8	.017	6.5
PR10X6-2R2K	2.2	.022	6.0
PR10X6-3R3K	3.3	.028	5.5
PR10X6-4R7K	4.7	.033	4.5
PR10X6-6R8K	6.8	.039	4.0
PR10X6-8R2K	8.2	.044	3.7
PR10X6-100K	10	.050	3.2
PR10X6-120K	12	.055	2.7
PR10X6-150K	15	.066	2.3
PR10X6-180K	18	.077	2.0
PR10X6-220K	22	.099	1.8
PR10X6-270K	27	.110	1.6
PR10X6-330K	33	.143	1.3
PR10X6-390K	39	.165	1.2
PR10X6-470K	47	.187	1.1
PR10X6-560K	56	.242	1.0
PR10X6-680K	68	.330	.90
PR10X6-820K	82	.363	.80
PR10X6-101K	100	.407	.70
PR10X6-121K	120	.572	.70
PR10X6-151K	150	.649	.60
PR10X6-181K	180	.792	.50
PR10X6-221K	220	.891	.50
PR10X6-271K	270	1.02	.45
PR10X6-331K	330	1.49	.45
PR10X6-391K	390	1.87	.40
PR10X6-471K	470	2.09	.35
PR10X6-561K	560	2.38	.30
PR10X6-681K	680	2.60	.25
PR10X6-821K	820	3.76	.20
PR10X6-102K	1000	4.35	.20

NOTE

Other inductance values not listed on this page are available. Please call our Sales Department for detailed information.

PR10X14 SPECIFICATIONS

Part Number	L (μH)	DCR max. (Ω)	Rated Current (Amps)
PR10X14-1R0K	1.0	0.004	10.0
PR10X14-1R2K	1.2	0.005	10.0
PR10X14-1R5K	1.5	0.006	10.0
PR10X14-1R8K	1.8	0.006	10.0
PR10X14-2R7K	2.7	0.007	10.0
PR10X14-3R3K	3.3	0.008	10.0
PR10X14-3R9K	3.9	0.008	9.0
PR10X14-4R7K	4.7	0.009	8.0
PR10X14-5R6K	5.6	0.010	7.0
PR10X14-6R8K	6.8	0.015	6.5
PR10X14-8R2K	8.2	0.015	6.0
PR10X14-100K	10	0.015	4.5
PR10X14-120K	12	0.017	4.0
PR10X14-150K	15	0.017	4.0
PR10X14-180K	18	0.019	3.5
PR10X14-220K	22	0.019	3.0
PR10X14-270K	27	0.020	3.0
PR10X14-330K	33	0.025	2.7
PR10X14-390K	39	0.028	2.5
PR10X14-470K	47	0.030	2.1
PR10X14-560K	56	0.032	2.0
PR10X14-680K	68	0.038	1.9
PR10X14-820K	82	0.042	1.7
PR10X14-101K	100	0.045	1.5
PR10X14-121K	120	0.085	1.2
PR10X14-151K	150	0.095	1.2
PR10X14-181K	180	0.115	1.0
PR10X14-221K	220	0.125	1.0
PR10X14-271K	270	0.135	0.9
PR10X14-331K	330	0.155	0.9
PR10X14-391K	390	0.175	0.8
PR10X14-471K	470	0.210	0.7
PR10X14-561K	560	0.250	0.7
PR10X14-681K	680	0.350	0.6
PR10X14-821K	820	0.400	0.6
PR10X14-102K	1000	0.450	0.5
PR10X14-122K	1200	0.500	0.5
PR10X14-152K	1500	0.950	0.5
PR10X14-182K	1800	0.980	0.4
PR10X14-222K	2200	1.25	0.35
PR10X14-272K	2700	1.25	0.3
PR10X14-332K	3300	1.60	0.3
PR10X14-392K	3900	1.90	0.25
PR10X14-472K	4700	2.10	0.2
PR10X14-562K	5600	2.35	0.2
PR10X14-682K	6800	3.50	0.15
PR10X14-822K	8200	4.00	0.15
PR10X14-103K	10000	4.50	0.15

## PR10X8 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR Max. ( $\Omega$ )	Rated Current (Amps)
PR10X8-1R0K	1.0	.006	8.0
PR10X8-1R5K	1.5	.007	8.0
PR10X8-1R8K	1.8	.008	7.0
PR10X8-2R2K	2.2	.009	6.5
PR10X8-3R3K	3.3	.011	5.5
PR10X8-4R7K	4.7	.017	4.7
PR10X8-6R8K	6.8	.020	4.3
PR10X8-8R2K	8.2	.022	4.0
PR10X8-100K	10	.028	3.5
PR10X8-120K	12	.033	3.0
PR10X8-150K	15	.044	2.8
PR10X8-180K	18	.050	2.6
PR10X8-220K	22	.055	2.4
PR10X8-270K	27	.061	2.2
PR10X8-330K	33	.077	2.0
PR10X8-390K	39	.099	1.7
PR10X8-470K	47	.110	1.5
PR10X8-560K	56	.132	1.3
PR10X8-680K	68	.154	1.2
PR10X8-820K	82	.209	1.1
PR10X8-101K	100	.242	1.0
PR10X8-121K	120	.253	0.9
PR10X8-151K	150	.352	0.8
PR10X8-181K	180	.440	0.7
PR10X8-221K	220	.539	0.6
PR10X8-271K	270	.715	0.5
PR10X8-331K	330	.814	0.4
PR10X8-391K	390	1.10	0.35
PR10X8-471K	470	1.25	0.35
PR10X8-561K	560	1.43	0.30
PR10X8-681K	680	1.74	0.30
PR10X8-821K	820	1.92	0.30
PR10X8-102K	1000	2.17	0.25

## PR10X12 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR Max. ( $\Omega$ )	Rated Current (Amps)
PR10X12-1R0K	1.0	.004	10
PR10X12-1R2K	1.2	.005	9.0
PR10X12-1R8K	1.8	.006	8.0
PR10X12-2R2K	2.2	.006	8.0
PR10X12-3R3K	3.3	.007	7.0
PR10X12-4R7K	4.7	.008	6.0
PR10X12-6R8K	6.8	.011	5.0
PR10X12-8R2K	8.2	.016	4.0
PR10X12-100K	10	.020	3.7
PR10X12-120K	12	.022	3.3
PR10X12-150K	15	.026	3.0
PR10X12-180K	18	.029	2.7
PR10X12-220K	22	.037	2.5
PR10X12-270K	27	.040	2.3
PR10X12-330K	33	.055	2.1
PR10X12-390K	39	.061	2.0
PR10X12-470K	47	.080	1.7
PR10X12-560K	56	.092	1.4
PR10X12-680K	68	.101	1.3
PR10X12-820K	82	.112	1.2
PR10X12-101K	100	.158	1.1
PR10X12-121K	120	.205	0.9
PR10X12-151K	150	.222	0.8
PR10X12-181K	180	.300	0.7
PR10X12-221K	220	.338	0.7
PR10X12-271K	270	.385	0.6
PR10X12-331K	330	.517	0.5
PR10X12-391K	390	.570	0.5
PR10X12-471K	470	.646	0.45
PR10X12-561K	560	.847	0.40
PR10X12-681K	680	.970	0.40
PR10X12-821K	820	1.34	0.35
PR10X12-102K	1000	1.90	0.30

## PR12X6 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR12X6-1R0K	1.0	.006	10.0
PR12X6-2R2K	2.2	.009	10.0
PR12X6-3R3K	3.3	.013	9.5
PR12X6-4R7K	4.7	.022	8.5
PR12X6-6R8K	6.8	.028	7.0
PR12X6-8R2K	8.2	.033	6.5
PR12X6-100K	10	.039	5.5
PR12X6-120K	12	.044	4.5
PR12X6-150K	15	.055	4.5
PR12X6-180K	18	.061	4.0
PR12X6-220K	22	.066	3.5
PR12X6-270K	27	.083	3.5
PR12X6-330K	33	.094	3.0
PR12X6-390K	39	.105	2.9
PR12X6-470K	47	.132	2.6
PR12X6-560K	56	.154	2.4
PR12X6-680K	68	.187	2.2
PR12X6-820K	82	.253	2.0
PR12X6-101K	100	.286	1.7
PR12X6-121K	120	.368	1.4
PR12X6-151K	150	.372	1.4
PR12X6-181K	180	.550	1.2
PR12X6-221K	220	.638	1.2
PR12X6-271K	270	.902	1.1
PR12X6-331K	330	1.04	1.0
PR12X6-391K	390	1.23	0.9
PR12X6-471K	470	1.42	0.8
PR12X6-561K	560	1.55	0.8
PR12X6-681K	680	2.32	0.7
PR12X6-821K	820	2.60	0.6
PR12X6-102K	1000	3.48	0.6

## PR12X8 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR12X8-1R2K	1.2	.004	15.0
PR12X8-1R8K	1.8	.005	14.5
PR12X8-3R3K	3.3	.009	14.0
PR12X8-4R7K	4.7	.019	13.0
PR12X8-6R8K	6.8	.020	11.0
PR12X8-8R2K	8.2	.021	10.0
PR12X8-100K	10	.022	9.0
PR12X8-120K	12	.028	7.5
PR12X8-150K	15	.033	7.0
PR12X8-180K	18	.042	6.0
PR12X8-220K	22	.044	5.0
PR12X8-270K	27	.050	4.5
PR12X8-330K	33	.072	4.2
PR12X8-390K	39	.077	4.0
PR12X8-470K	47	.098	3.6
PR12X8-560K	56	.110	3.3
PR12X8-680K	68	.124	3.0
PR12X8-820K	82	.140	2.8
PR12X8-101K	100	.183	2.5
PR12X8-121K	120	.200	2.3
PR12X8-151K	150	.310	2.1
PR12X8-181K	180	.345	2.0
PR12X8-221K	220	.462	1.7
PR12X8-271K	270	.507	1.5
PR12X8-331K	330	.581	1.3
PR12X8-391K	390	.729	1.2
PR12X8-471K	470	.831	1.1
PR12X8-561K	560	.944	1.0
PR12X8-681K	680	1.22	0.8
PR12X8-821K	820	1.37	0.8
PR12X8-102K	1000	2.04	0.7

## PR12X10 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR12X10-1R0K	1.0	.004	18.0
PR12X10-2R2K	2.2	.005	17.0
PR12X10-3R3K	3.3	.007	16.0
PR12X10-4R7K	4.7	.010	14.0
PR12X10-6R8K	6.8	.011	13.0
PR12X10-8R2K	8.2	.017	12.0
PR12X10-100K	10	.020	11.0
PR12X10-120K	12	.022	10.0
PR12X10-150K	15	.028	9.0
PR12X10-180K	18	.033	8.0
PR12X10-220K	22	.039	6.5
PR12X10-270K	27	.044	6.0
PR12X10-330K	33	.052	5.0
PR12X10-390K	39	.061	4.8
PR12X10-470K	47	.066	4.5
PR12X10-560K	56	.088	4.3
PR12X10-680K	68	.110	4.0
PR12X10-820K	82	.143	3.7
PR12X10-101K	100	.176	3.5
PR12X10-121K	120	.188	3.0
PR12X10-151K	150	.198	2.7
PR12X10-181K	180	.264	2.5
PR12X10-221K	220	.297	2.3
PR12X10-271K	270	.330	2.0
PR12X10-331K	330	.462	1.7
PR12X10-391K	390	.517	1.5
PR12X10-471K	470	.671	1.4
PR12X10-561K	560	.759	1.3
PR12X10-681K	680	1.01	1.1
PR12X10-821K	820	1.16	1.1
PR12X10-102K	1000	1.53	1.0

## PR12X12 SPECIFICATIONS

Part Number	L ( $\mu$ H)	DCR max. ( $\Omega$ )	Rated Current (Amps)
PR12X12-1R0K	1.0	.004	20.0
PR12X12-1R5K	1.5	.005	20.0
PR12X12-2R2K	2.2	.006	19.0
PR12X12-3R3K	3.3	.007	18.0
PR12X12-4R7K	4.7	.008	16.0
PR12X12-6R8K	6.8	.009	14.0
PR12X12-8R2K	8.2	.011	13.5
PR12X12-100K	10	.012	12.5
PR12X12-120K	12	.013	11.0
PR12X12-150K	15	.017	10.0
PR12X12-180K	18	.022	9.0
PR12X12-220K	22	.028	7.0
PR12X12-270K	27	.033	6.5
PR12X12-330K	33	.044	5.5
PR12X12-390K	39	.050	5.0
PR12X12-470K	47	.055	4.7
PR12X12-560K	56	.061	4.5
PR12X12-680K	68	.066	4.2
PR12X12-820K	82	.077	4.0
PR12X12-101K	100	.121	3.7
PR12X12-121K	120	.132	3.2
PR12X12-151K	150	.154	3.0
PR12X12-181K	180	.198	2.7
PR12X12-221K	220	.242	2.5
PR12X12-271K	270	.319	2.3
PR12X12-331K	330	.363	2.0
PR12X12-391K	390	.484	1.7
PR12X12-471K	470	.572	1.5
PR12X12-561K	560	.737	1.4
PR12X12-681K	680	.814	1.3
PR12X12-821K	820	.913	1.2
PR12X12-102K	1000	1.05	1.1