

Power Chokes – Vertical Mount



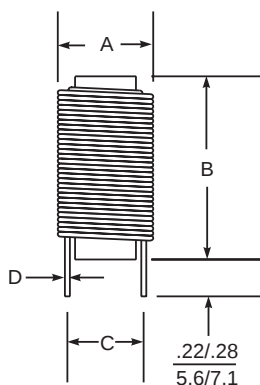
The Coilcraft PCV-0 and PCV-1 Series are low cost power inductors whose simple design provides rugged reliability and performance.

The open core construction of both series provides the highest saturation current available in a low cost power choke. The PCV-1 Series also incorporates a plastic mounting header for maximum lead protection and consistency.

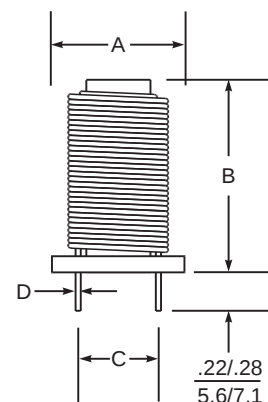
Coilcraft **Designer's Kit P205** contains samples of the values shown in bold as well as values from our PCV-2 Series. To order, contact Coilcraft.

- Low cost
- Wide range of standard values
- All 130°C class insulation

PCV-0 Series



PCV-1 Series



PCV-0 Series

Part Number	Inductance ¹ (μH)	Current Rating ² (Amps)	DCR Max (Ω)	A Max	B Max	C ± .015/0,38	D ± .004/0,10
PCV-0-102-25	1.0 ±15%	25	.002	.60/15,2	.68/17,3	.42/10,7	.068/1,73
PCV-0-102-10	1.0	10	.002	.50/12,7	.75/19,1	.42/10,7	.054/1,37
PCV-0-332-10	3.3	10	.005	.50/12,7	1.0/25,4	.42/10,7	.054/1,37
PCV-0-472-03	4.7	3	.021	.51/13,0	.75/19,1	.42/10,7	.035/0,89
PCV-0-472-05	4.7	5	.012	.50/12,7	.75/19,1	.42/10,7	.042/1,07
PCV-0-472-10	4.7	10	.012	.50/12,7	1.0/25,4	.42/10,7	.054/1,37
PCV-0-472-20	4.7	20	.004	.53/13,5	1.2/30,5	.42/10,7	.068/1,73
PCV-0-103-03	10 ±10%	3	.023	.50/12,7	.75/19,1	.42/10,7	.035/0,89
PCV-0-103-05	10	5	.017	.50/12,7	.75/19,1	.42/10,7	.042/1,07
PCV-0-103-10	10	10	.015	.52/13,2	1.0/25,4	.42/10,7	.054/1,37

¹ Tested at 15.75 kHz, .1 Vrms, with DC bias applied up to the rated current.

² Parts are designed for 40°C Max temperature rise at the rated current.

Parts in bold type are included in Coilcraft Designer's Kit No. P205.

Coilcraft

Specifications subject to change without notice. Document 135-1 Revised 3/4/99

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469
E-mail info@coilcraft.com Data by Fax 800/651-6974 Web http://www.coilcraft.com

PCV-0 Series – Continued

Part Number	Inductance ¹ (μ H)	Current Rating ² (Amps)	DCR Max (Ω)	A Max	B Max	C $\pm .015/0,38$	D $\pm .004/0,10$
PCV-0-103-20	10 $\pm 10\%$	20	.006	.75/19,1	1.8/45,7	.60/15,2	.075/1,91
PCV-0-153-03	15	3	.025	.50/12,7	1.0/25,4	.42/10,7	.035/0,89
PCV-0-153-10	15	10	.020	.52/13,2	1.0/25,4	.42/10,7	.054/1,37
PCV-0-223-03	22	3	.035	.50/12,7	1.0/25,4	.42/10,7	.035/0,89
PCV-0-223-05	22	5	.023	.50/12,7	1.0/25,4	.42/10,7	.042/1,07
PCV-0-223-10	22	10	.015	.66/16,8	1.3/33,0	.42/10,7	.060/1,52
PCV-0-273-05	27	5	.024	.50/12,7	1.0/25,4	.49/12,5	.042/1,07
PCV-0-333-12	33	12	.017	.70/17,8	1.3/33,0	.55/14,0	.060/1,52
PCV-0-473-03	47	3	.050	.55/14,0	1.0/25,4	.42/10,7	.035/0,89
PCV-0-473-05	47	5	.035	.65/16,5	1.1/28,0	.70/17,8	.042/1,07
PCV-0-473-10	47	10	.022	.85/21,6	1.3/33,0	.70/17,8	.060/1,52
PCV-0-823-03	82	3	.110	.50/12,7	.65/16,5	.375/9,5	.028/0,71
PCV-0-104-01	100	1	.190	.40/10,2	.90/22,9	.30/7,6	.020/0,51
PCV-0-104-03	100	3	.072	.55/14,0	1.2/30,5	.70/17,8	.035/0,89
PCV-0-104-05	100	5	.055	.65/16,5	1.3/33,0	.70/17,8	.042/1,07
PCV-0-154-03	150	3	.140	.60/15,2	1.2/30,5	.43/10,9	.028/0,71
PCV-0-154-05	150	5	.065	.65/16,5	1.3/33,0	.70/17,8	.042/1,07
PCV-0-184-05	180	5	.110	.60/15,2	1.2/30,5	.43/10,9	.035/0,89
PCV-0-224-03	220	3	.210	.55/14,0	1.2/30,5	.42/10,7	.025/0,64
PCV-0-274-04	270	4	.250	.95/24,0	.72/18,3	.71/18,0	.030/0,76
PCV-0-274-10	270	10	.160	1.1/28,0	1.0/25,4	.72/18,3	.038/0,97
PCV-0-394-03	390	3	.250	1.1/28,0	1.0/25,4	.72/18,3	.035/0,89
PCV-0-394-05	390	5	.190	1.1/28,0	1.0/25,4	.72/18,3	.038/0,97

PCV-1 Series

Part Number	Inductance ¹ (μ H)	Current Rating ² (Amps)	DCR Max (Ω)	A Max	B Max	C $\pm .015/0,38$	D $\pm .004/0,10$
PCV-1-152-15	1.5 $\pm 15\%$	15	.003	.65/16,5	.90/22,9	.42/10,7	.068/1,73
PCV-1-182-10	1.8	10	.006	.65/16,5	1.1/27,9	.42/10,7	.054/1,37
PCV-1-182-15	1.8	15	.003	.65/16,5	1.1/27,9	.42/10,7	.068/1,73
PCV-1-472-03	4.7	3	.021	.62/15,7	.85/21,6	.42/10,7	.035/0,89
PCV-1-472-05	4.7	5	.012	.62/15,7	.85/21,6	.42/10,7	.042/1,07
PCV-1-472-10	4.7	10	.012	.62/15,7	1.1/27,9	.42/10,7	.054/1,37
PCV-1-103-03	10 $\pm 10\%$	3	.026	.63/16,0	.85/21,6	.42/10,7	.035/0,89
PCV-1-103-05	10	5	.020	.62/15,7	.85/21,6	.42/10,7	.042/1,07
PCV-1-103-10	10	10	.013	.63/16,0	1.1/27,9	.42/10,7	.054/1,37
PCV-1-153-10	15	10	.020	.70/17,8	1.4/35,6	.42/10,7	.060/1,52
PCV-1-223-03	22	3	.035	.62/15,7	1.1/27,9	.42/10,7	.035/0,89
PCV-1-223-05	22	5	.023	.62/15,7	1.1/27,9	.42/10,7	.042/1,07
PCV-1-223-10	22	10	.018	.70/17,8	1.4/35,6	.42/10,7	.060/1,52
PCV-1-473-03	47	3	.050	.65/16,5	1.1/27,9	.42/10,7	.035/0,89
PCV-1-473-05	47	5	.033	.90/22,9	1.2/30,5	.70/17,8	.042/1,07
PCV-1-473-10	47	10	.022	.90/22,9	1.4/35,6	.70/17,8	.060/1,52
PCV-1-104-03	100	3	.072	.90/22,9	1.3/33,1	.70/17,8	.035/0,89
PCV-1-104-05	100	5	.055	.90/22,9	1.4/35,6	.70/17,8	.042/1,07
PCV-1-184-03	180	3	.150	.63/16,0	1.2/30,5	.42/10,7	.028/0,71
PCV-1-304-05	300	5	.160	1.1/27,9	1.0/25,4	.70/17,8	.038/0,97
PCV-1-394-05	390	5	.190	1.1/27,9	1.0/25,4	.70/17,8	.038/0,97

¹ Tested at 15.75 kHz, .1 Vrms, with DC bias applied up to the rated current.² Parts are designed for 40°C Max temperature rise at the rated current.


Specifications subject to change without notice. Document 135-2 Revised 12/22/98

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469
 E-mail info@coilcraft.com Data by Fax 800/651-6974 Web http://www.coilcraft.com