

Axial Lead Power Chokes – PCH-27, 45



Coilcraft's horizontal mount power chokes provide a wide range of inductance in a low profile design.

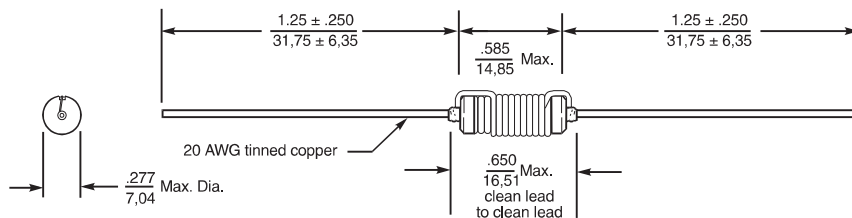
Two sizes are available; the compact PCH-27 Series, and the larger PCH-45 Series with higher current ratings.

They're ideal for use as output chokes in low power, downsized switching power supplies, DC/DC converters and inverters, EMI/RFI noise suppression, and smoothing choke applications.

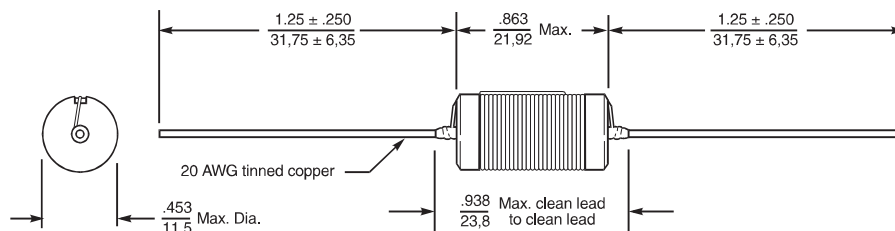
Coilcraft **Designer's Kit No. P209** contains samples of 30 standard parts (2 pieces each) from both series. To order, please contact Coilcraft.

- Wide inductance range in a low profile part
- High saturation current—up to 14.3 Amps DC
- Standard EIA or custom values
- Optional tape and reel packaging
- Designer's Kit of sample parts available
- Most values shipped from stock

PCH-27 SERIES



PCH-45 SERIES



Coilcraft

Specifications subject to change without notice. Document 138-1 Revised 7/8/97

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PCH-27 SERIES POWER CHOKES

Part Number	Inductance $\pm 10\%$ Nom	SRF Typ (MHz)	DCR Max (Ohms)	Sat. Current (DC Amps)	Rated Current (AC Amps)
PCH-27-392	3.9 μH	38	.017	7.01	1.7
PCH-27-472	4.7	26	.024	6.16	1.3
PCH-27-562	5.6	25	.025	5.79	1.3
PCH-27-682	6.8	25	.028	5.20	1.3
PCH-27-822	8.2	22	.030	4.70	1.3
PCH-27-103	10	17	.033	4.30	1.3
PCH-27-123	12	16	.037	3.80	1.3
PCH-27-153	15	12	.041	3.41	1.3
PCH-27-183	18	11	.045	3.09	1.3
PCH-27-223	22	10	.064	2.82	1.0
PCH-27-273	27	7	.071	2.53	1.0
PCH-27-333	33	7	.078	2.29	1.0
PCH-27-393	39	7	.085	2.09	1.0
PCH-27-473	47	6	.094	1.88	1.0
PCH-27-563	56	6	.12	1.74	.84
PCH-27-683	68	7	.16	1.57	.67
PCH-27-823	82	4	.22	1.41	.52
PCH-27-104	100	3	.25	1.28	.52
PCH-27-124	120	3	.35	1.17	.42
PCH-27-154	150	3	.39	1.04	.42
PCH-27-184	180	3	.43	.943	.42
PCH-27-224	220	3	.47	.848	.42
PCH-27-274	270	2	.65	.764	.33
PCH-27-334	330	2	.72	.690	.33
PCH-27-394	390	2	.78	.632	.33
PCH-27-474	470	2	1.04	.573	.26
PCH-27-564	560	1	1.14	.520	.26
PCH-27-684	680	1	1.49	.472	.21
PCH-27-824	820	1	2.14	.427	.16
PCH-27-105	1.0 mH	1	2.36	.385	.16
PCH-27-125	1.2	1	2.59	.350	.16
PCH-27-155	1.5	.85	3.57	.312	.13
PCH-27-225	2.2	.65	4.33	.255	.13
PCH-27-275	2.7	.65	5.91	.229	.10
PCH-27-335	3.3	.60	8.63	.207	.083
PCH-27-395	3.9	.60	9.38	.189	.083
PCH-27-475	4.7	.50	10.3	.172	.083
PCH-27-565	5.6	.60	11.2	.157	.083
PCH-27-685	6.8	.40	15.0	.142	.067
PCH-27-825	8.2	.35	21.7	.128	.052
PCH-27-106	10	.30	24.0	.116	.052
PCH-27-126	12	.25	33.2	.105	.040
PCH-27-156	15	.30	47.2	.094	.031
PCH-27-186	18	.30	51.7	.085	.031
PCH-27-226	22	.25	60.0	.070	.025

Parts in bold type are included in Coilcraft Designer's Kit P209.



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PCH-45 SERIES POWER CHOKES

Part Number	Inductance $\pm 10\%$ Nom	SRF Typ (MHz)	DCR Max (Ohms)	Sat. Current (DC Amps)	Rated Current (AC Amps)
PCH-45-392	3.90 μ H	34	.008	14.3	4.3
PCH-45-472	4.70	31	.009	13.0	4.3
PCH-45-562	5.60	29	.009	11.9	4.3
PCH-45-682	6.80	26	.010	11.0	4.3
PCH-45-822	8.20	23	.011	9.50	4.3
PCH-45-103	10.0	20	.012	8.93	4.3
PCH-45-123	12.0	17	.013	7.94	4.3
PCH-45-153	15.0	14	.015	7.15	4.3
PCH-45-183	18.0	11	.016	6.50	4.3
PCH-45-223	22.0	10	.017	5.95	4.3
PCH-45-273	27.0	9	.019	5.50	4.3
PCH-45-333	33.0	9	.021	4.93	4.3
PCH-45-393	39.0	8	.025	4.46	4.3
PCH-45-473	47.0	7	.035	4.08	3.4
PCH-45-563	56.0	6	.037	3.76	3.4
PCH-45-683	68.0	5	.044	3.40	2.7
PCH-45-823	82.0	4	.060	3.10	2.1
PCH-45-104	100	3	.086	2.80	1.7
PCH-45-124	120	3	.095	2.55	1.7
PCH-45-154	150	3	.14	2.30	1.3
PCH-45-184	180	2	.15	2.10	1.3
PCH-45-224	220	2	.17	1.90	1.3
PCH-45-274	270	2	.19	1.72	1.3
PCH-45-334	330	2	.21	1.55	1.3
PCH-45-394	390	2	.26	1.43	1.0
PCH-45-474	470	1	.32	1.30	1.0
PCH-45-564	560	1	.38	1.19	.84
PCH-45-684	680	1	.51	1.08	.67
PCH-45-824	820	1	.59	.986	.67
PCH-45-105	1.0 mH	1	.69	.893	.67
PCH-45-125	1.2	1	.78	.817	.67
PCH-45-155	1.5	.75	.92	.729	.67
PCH-45-225	2.2	.70	1.67	.600	.42
PCH-45-275	2.7	.65	2.28	.543	.33
PCH-45-335	3.3	.60	2.59	.491	.33
PCH-45-395	3.9	.55	2.87	.452	.33
PCH-45-475	4.7	.50	3.22	.412	.33
PCH-45-565	5.6	.40	4.25	.377	.26
PCH-45-685	6.8	.35	5.88	.342	.21
PCH-45-825	8.2	.30	6.46	.311	.21
PCH-45-106	10	.30	9.10	.282	.16
PCH-45-126	12	.30	9.99	.257	.16
PCH-45-156	15	.30	11.2	.230	.16
PCH-45-186	18	.20	15.2	.210	.13
PCH-45-226	22	.20	16.8	.190	.13
PCH-45-276	27	.15	18.6	.171	.13
PCH-45-336	33	.15	26.7	.155	.10
PCH-45-396	39	.15	29.0	.143	.10
PCH-45-476	47	.10	31.8	.131	.10
PCH-45-566	56	.10	42.6	.119	.083
PCH-45-686	68	.10	46.9	.108	.083
PCH-45-826	82	.10	64.9	.098	.067
PCH-45-107	100	.10	71.7	.099	.067

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