

# AXIAL LEAD POWER CHOKES

## PCH1507,1507H, 2211,2211H Series

- These horizontal mount power chokes provide a wide range of inductance in a low profile design. There are two size available and 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.
- Operating temperature range: -40°C to +85°C
- High saturation current — up to 14.3Amps DC.

### ELECTRICAL SPECIFICATIONS @25°C

UMEC MODEL NUMBER	L±10% <sup>1</sup>	SRF typ. (MHz)	DCR(Ω) max.	Isat <sup>2</sup> (A)	Irms <sup>3</sup> (A)
<b>PCH1507(H)- Series</b>					
PCH1507(H)-3R9	3.9uH	38	0.017	7.01	1.7
PCH1507(H)-4R7	4.7uH	26	0.024	6.16	1.3
PCH1507(H)-5R6	5.6uH	25	0.025	5.79	1.3
PCH1507(H)-6R8	6.8uH	25	0.028	5.20	1.3
PCH1507(H)-8R2	8.2uH	22	0.030	4.70	1.3
PCH1507(H)-100	10uH	17	0.033	4.30	1.3
PCH1507(H)-120	12uH	16	0.037	3.80	1.3
PCH1507(H)-150	15uH	12	0.041	3.41	1.3
PCH1507(H)-180	18uH	11	0.045	3.09	1.3
PCH1507(H)-220	22uH	10	0.064	2.82	1.0
PCH1507(H)-270	27uH	7	0.071	2.53	1.0
PCH1507(H)-330	33uH	7	0.078	2.29	1.0
PCH1507(H)-390	39uH	7	0.085	2.09	1.0
PCH1507(H)-470	47uH	6	0.094	1.88	1.0
PCH1507(H)-560	56uH	6	0.12	1.74	0.84
PCH1507(H)-680	68uH	7	0.16	1.57	0.67
PCH1507(H)-820	82uH	4	0.22	1.41	0.52
PCH1507(H)-101	100uH	3	0.25	1.28	0.52
PCH1507(H)-121	120uH	3	0.35	1.17	0.42
PCH1507(H)-151	150uH	3	0.39	1.04	0.42
PCH1507(H)-181	180uH	3	0.43	0.943	0.42
PCH1507(H)-221	220uH	3	0.47	0.848	0.42
PCH1507(H)-271	270uH	2	0.65	0.764	0.33
PCH1507(H)-331	330uH	2	0.72	0.690	0.33
PCH1507(H)-391	390uH	2	0.78	0.632	0.33
PCH1507(H)-471	470uH	2	1.04	0.573	0.26
PCH1507(H)-561	560uH	1	1.14	0.520	0.26
PCH1507(H)-681	680uH	1	1.49	0.472	0.21
PCH1507(H)-821	820uH	1	2.14	0.427	0.16
PCH1507(H)-102	1.0mH	1	2.36	0.385	0.16
PCH1507(H)-122	1.2mH	1	2.59	0.350	0.16
PCH1507(H)-152	1.5mH	0.85	3.57	0.312	0.13
PCH1507(H)-222	2.2mH	0.65	4.33	0.255	0.13
PCH1507(H)-272	2.7mH	0.65	5.91	0.229	0.10
PCH1507(H)-332	3.3mH	0.60	8.63	0.207	0.083
PCH1507(H)-392	3.9mH	0.60	9.38	0.189	0.083
PCH1507(H)-472	4.7mH	0.50	10.3	0.172	0.083
PCH1507(H)-562	5.6mH	0.60	11.2	0.157	0.083
PCH1507(H)-682	6.8mH	0.40	15.0	0.142	0.067
PCH1507(H)-822	8.2mH	0.35	21.7	0.128	0.052
PCH1507(H)-103	10mH	0.30	24.0	0.116	0.052
PCH1507(H)-123	12mH	0.25	33.2	0.105	0.040
PCH1507(H)-153	15mH	0.30	47.2	0.094	0.031
PCH1507(H)-183	18mH	0.30	51.7	0.085	0.031
PCH1507(H)-223	22mH	0.25	60.0	0.070	0.025

\* For RoHS compliant products: a.)The Ordering Code: TG-Model No. ex. TG-PCH1507(H)-3R9  
b.)Solder : Sn/Cu c.)Date Code suffix to "G" (xxxxG)



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UNIVERSAL MICROELECTRONICS CO.,LTD.  
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3,27TH RD.,TAICHUNG INDUSTRIAL PARK,  
TAICHUNG,TAIWAN,R.O.C

# AXIAL LEAD POWER CHOKES

## PCH1507,1507H, 2211,2211H Series

ELECTRICAL SPECIFICATIONS @25°C

UMEC MODEL NUMBER	L±10% <sup>1</sup>	SRF typ. (MHz)	DCR(Ω) max.	Isat <sup>2</sup> (A)	Irms <sup>3</sup> (A)
<b>PCH2211(H)- Series</b>					
PCH2211(H)-3R9	3.9uH	34	0.008	14.3	4.3
PCH2211(H)-4R7	4.7uH	31	0.009	13.0	4.3
PCH2211(H)-5R6	5.6uH	29	0.009	11.9	4.3
PCH2211(H)-6R8	6.8uH	26	0.010	11.0	4.3
PCH2211(H)-8R2	8.2uH	23	0.011	9.50	4.3
PCH2211(H)-100	10uH	20	0.012	8.93	4.3
PCH2211(H)-120	12uH	17	0.013	7.94	4.3
PCH2211(H)-150	15uH	14	0.015	7.15	4.3
PCH2211(H)-180	18uH	11	0.016	6.50	4.3
PCH2211(H)-220	22uH	10	0.017	5.95	4.3
PCH2211(H)-270	27uH	9	0.019	5.50	4.3
PCH2211(H)-330	33uH	9	0.021	4.93	4.3
PCH2211(H)-390	39uH	8	0.025	4.46	4.3
PCH2211(H)-470	47uH	7	0.035	4.08	3.4
PCH2211(H)-560	56uH	6	0.037	3.76	3.4
PCH2211(H)-680	68uH	5	0.044	3.40	2.7
PCH2211(H)-820	82uH	4	0.060	3.10	2.1
PCH2211(H)-101	100uH	3	0.086	2.80	1.7
PCH2211(H)-121	120uH	3	0.095	2.55	1.7
PCH2211(H)-151	150uH	3	0.14	2.30	1.3
PCH2211(H)-181	180uH	2	0.15	2.10	1.3
PCH2211(H)-221	220uH	2	0.17	1.90	1.3
PCH2211(H)-271	270uH	2	0.19	1.72	1.3
PCH2211(H)-331	330uH	2	0.21	1.55	1.3
PCH2211(H)-391	390uH	2	0.26	1.43	1.0
PCH2211(H)-471	470uH	1	0.32	1.30	1.0
PCH2211(H)-561	560uH	1	0.38	1.19	0.84
PCH2211(H)-681	680uH	1	0.51	1.08	0.67
PCH2211(H)-821	820uH	1	0.59	0.986	0.67
PCH2211(H)-102	1.0mH	1	0.69	0.893	0.67
PCH2211(H)-122	1.2mH	1	0.78	0.817	0.67
PCH2211(H)-152	1.5mH	0.75	0.92	0.729	0.67
PCH2211(H)-222	2.2mH	0.70	1.67	0.600	0.42
PCH2211(H)-272	2.7mH	0.65	2.28	0.543	0.33
PCH2211(H)-332	3.3mH	0.60	2.59	0.491	0.33
PCH2211(H)-392	3.9mH	0.55	2.87	0.452	0.33
PCH2211(H)-472	4.7mH	0.50	3.22	0.412	0.33
PCH2211(H)-562	5.6mH	0.40	4.25	0.377	0.26
PCH2211(H)-682	6.8mH	0.35	5.88	0.342	0.21
PCH2211(H)-822	8.2mH	0.30	6.46	0.311	0.21
PCH2211(H)-103	10mH	0.30	9.10	0.282	0.16
PCH2211(H)-123	12mH	0.30	9.99	0.257	0.16
PCH2211(H)-153	15mH	0.30	11.2	0.230	0.16
PCH2211(H)-183	18mH	0.20	15.2	0.210	0.13
PCH2211(H)-223	22mH	0.20	16.8	0.190	0.13
PCH2211(H)-273	27mH	0.15	18.6	0.171	0.13
PCH2211(H)-333	33mH	0.15	26.7	0.155	0.10
PCH2211(H)-393	39mH	0.15	29.0	0.143	0.10
PCH2211(H)-473	47mH	0.10	31.8	0.131	0.10
PCH2211(H)-563	56mH	0.10	42.6	0.119	0.083
PCH2211(H)-683	68mH	0.10	46.9	0.108	0.083
PCH2211(H)-823	82mH	0.10	64.9	0.098	0.067
PCH2211(H)-104	100mH	0.10	71.7	0.099	0.067

1. Inductance tested at 100KHz, 0.1V, L<sub>s</sub>

2. Inductance drop=10% typ. at Isat.

3. ΔT=40°C rise up typ. at Irms.

4. For RoHS compliant products: a.)The Ordering Code: TG-Model No. ex. TG-PCH2211(H)-3R9  
b.)Solder : Sn/Cu c.)Date Code suffix to "G" (xxxxG)



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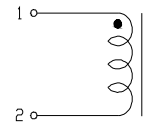
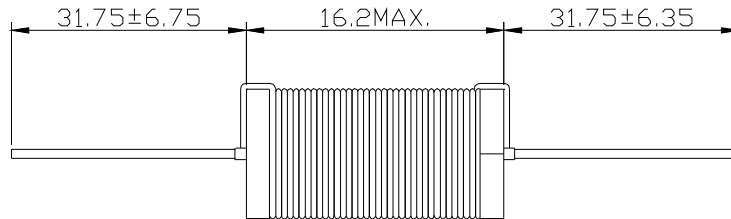
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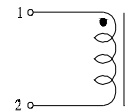
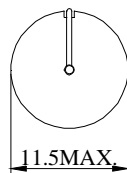
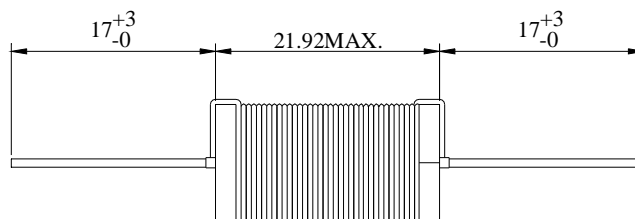
DIMENSION & DRAWING



PCH1507



PCH2211



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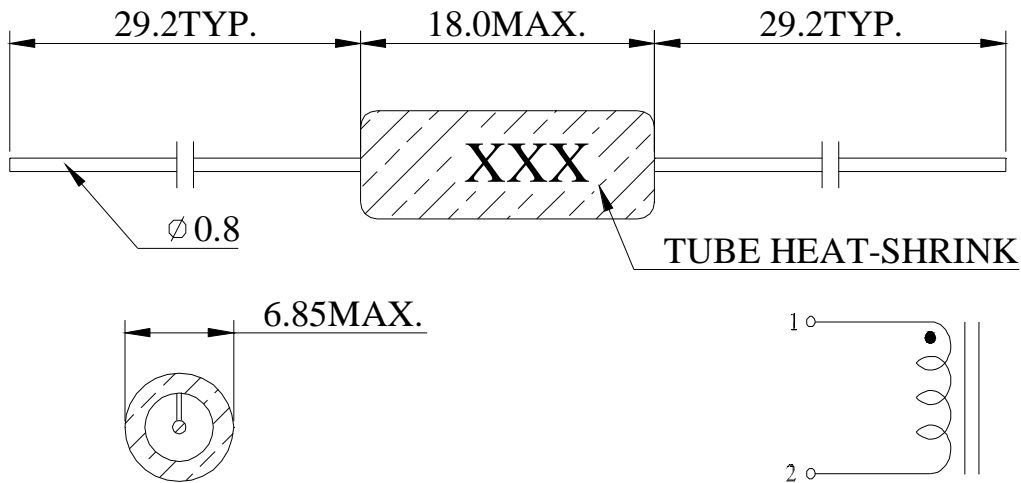
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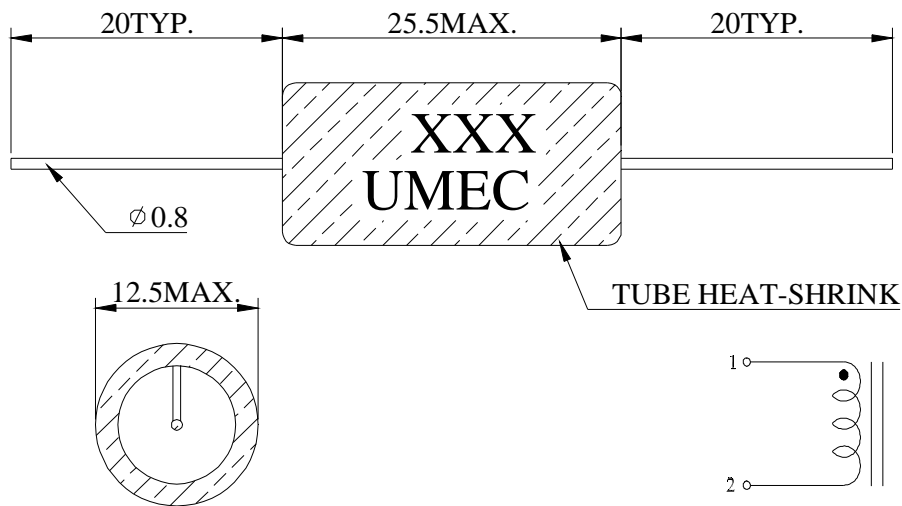
DIMENSION & DRAWING



PCH1507H



PCH2211H



\*Specifications are subject to change without prior notice.

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