

224 SERIES HIGH CURRENT INDUCTORS (OPEN TYPE)

Features

- Designed for use in Switching Mode Power Supplies
- Low Power Loss and Radiation Loss
- Low Cost
- Materials Meet UL94V-0
- Operating Temp. -40°C to +130°C (note 4)
- Tinned Leads with Leaded Solder is Available (note 7)



Electrical Specifications at 25°C

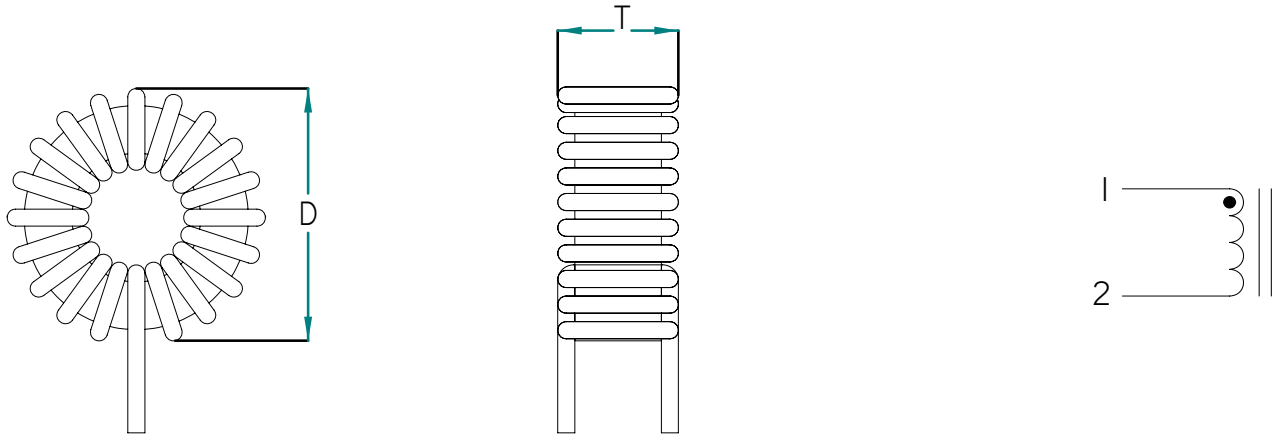
Part Number	Inductance (1) No DC (μ H) \pm 15%	Inductance (1) Rated Current (μ H) Typ.	Rated Current (AMPS DC)	Overall Dimensions D x T IN (MM) Max	Wire Size Dia IN (MM)
PT22401	200	160	1	\emptyset 0.790 (20) x 0.473 (12)	0.020 (0.5)
PT22402	665	50	2	\emptyset 0.790 (20) x 0.473 (12)	0.028 (0.7)
PT22403	30	23	3	\emptyset 0.790 (20) x 0.473 (12)	0.032 (0.8)
PT22411	600	450	1	\emptyset 0.870 (22) x 0.512 (13)	0.020 (0.5)
PT22412	180	135	2	\emptyset 0.870 (22) x 0.512 (13)	0.028 (0.7)
PT22413	120	80	3	\emptyset 0.870 (22) x 0.512 (13)	0.032 (0.8)
PT22414	45	30	5	\emptyset 0.870 (22) x 0.512 (13)	0.040 (1.0)
PT22421	1000	800	1	\emptyset 1.024 (26) x 0.552 (14)	0.020 (0.5)
PT22422	500	330	2	\emptyset 1.024 (26) x 0.552 (14)	0.028 (0.7)
PT22423	130	100	3	\emptyset 1.024 (26) x 0.552 (14)	0.032 (0.8)
PT22424	90	55	5	\emptyset 1.024 (26) x 0.552 (14)	0.040 (1.0)
PT22431	400	250	3	\emptyset 1.220 (31) x 0.473 (12)	0.032 (0.8)
PT22432	350	160	5	\emptyset 1.260 (32) x 0.552 (14)	0.040 (1.0)
PT22433	50	30	10	\emptyset 1.300 (33) x 0.591 (15)	0.044 1.1 x 2P
PT22441	1500	950	2	\emptyset 1.260 (32) x 0.748 (19)	0.028 (0.7)
PT22442	300	230	3	\emptyset 1.260 (32) x 0.709 (18)	0.032 (0.8)
PT22443	210	140	5	\emptyset 1.300 (33) x 0.748 (19)	0.040 (1.0)
PT22444	45	30	10	\emptyset 1.340 (34) x 0.788 (20)	0.063 (1.6)
PT22451	700	500	3	\emptyset 1.500 (38) x 0.709 (18)	0.032 (0.8)
PT22452	600	330	5	\emptyset 1.540 (39) x 0.748 (19)	0.040 (1.0)
PT22453	180	95	10	\emptyset 1.620 (41) x 0.827 (21)	0.063 (1.6)
PT22454	20	14	20	\emptyset 1.620 (41) x 0.788 (20)	0.071 1.8 x 2P

Note: (1) Measured at 0.5V, 20kHz.

224 SERIES LOW DC CURRENT INDUCTORS (OPEN TYPE)

Part Number	Inductance (2) No DC (μ H) \pm 15%	Inductance (2) Rated Current (μ H) Typ.	Rated (3) Current (AMPS DC)	Overall Dimensions D x T IN (MM) Max	Wire Size Dia IN (MM)
PT22461	6000	490	1	\emptyset 0.790 (20) x 0.552 (14)	0.020 (0.5)
PT22462	2000	155	2	\emptyset 0.827 (21) x 0.591 (15)	0.028 (0.7)
PT22463	1500	85	3	\emptyset 0.827 (21) x 0.591 (15)	0.032 (0.8)
PT22464	500	35	5	\emptyset 0.870 (22) x 0.591 (15)	0.040 (1.0)
PT22471	12000	900	1	\emptyset 0.945 (24) x 0.591 (15)	0.020 (0.5)
PT22472	6000	350	2	\emptyset 0.985 (25) x 0.591 (15)	0.028 (0.7)
PT22473	1500	130	3	\emptyset 0.985 (25) x 0.591 (15)	0.032 (0.8)
PT22474	1000	65	5	\emptyset 0.985 (25) x 0.591 (15)	0.040 (1.0)
PT22481	5000	290	3	\emptyset 1.220 (31) x 0.670 (17)	0.032 (0.8)
PT22482	5000	180	5	\emptyset 1.260 (32) x 0.670 (17)	0.040 (1.0)
PT22483	700	35	10	\emptyset 1.300 (33) x 0.788 (20)	0.063 (1.6)

Note: (2) Measured at 0.5V, 50kHz.



Notes:

3. All dimensions are shown in millimeters "mm" [inches "in"]
4. General tolerance $\pm 0,25\text{mm}$ [0.010 in.], unless otherwise specified
5. Rated Current 5VRMS, 50kHz with temperature rise
6. Full rated current based on an ambient operating temperature of $+85^{\circ}\text{C}$ with a 45°C maximum temperature rise in free air, all materials are rated at 155°C or higher.
7. For non-RoHS parts, replace PT prefix with 42- (e.g. PT12410 becomes 42-12410).
8. Terminal finish is compliant to RoHS requirements