

## 123 Series High Current Toroidal Inductors

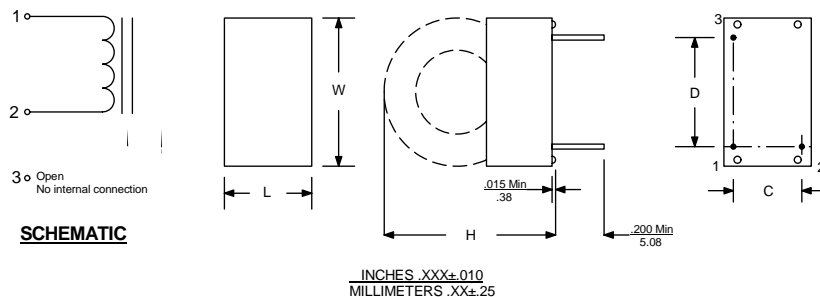
### Features

- Single layer and cost effective design
- Semi-encapsulated construction
- Designed for high frequency power supply applications
- Available without case upon request
- RoHS Compliant starting with Date Code 0452
- Tinned Leads with Leaded Solder is Available (note 1)



### ELECTRICAL SPECIFICATIONS AT 25°C

Part Number	Inductance @ no load $\mu\text{H}$ +20%/-12%	DCR Ohms (Max)	Dimensions <u>Inches</u> mm					Lead Dia. Inches $\pm 0.003$	Inductance $\mu\text{H}$ (Typ) @ IDC	IDC Amps
			L	W	H	D	C			
PT12310	40.0	0.007	<u>0.80</u> 20.32	<u>1.60</u> 40.64	<u>1.72</u> 43.68	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.081	17.0	17.0
PT12311	70.0	0.009	<u>0.91</u> 23.11	<u>1.95</u> 49.53	<u>2.00</u> 50.80	<u>1.20</u> 30.48	<u>0.70</u> 17.78	0.081	32.0	16.0
PT12312	120.0	0.012	<u>1.11</u> 28.19	<u>2.30</u> 58.42	<u>2.30</u> 58.42	<u>1.50</u> 38.10	<u>0.90</u> 22.86	0.081	60.0	16.0
PT12313	28.0	0.009	<u>0.55</u> 13.97	<u>1.20</u> 30.48	<u>1.20</u> 30.48	<u>0.80</u> 20.32	<u>0.40</u> 10.16	0.057	14.0	10.0
PT12314	45.0	0.012	<u>0.80</u> 20.32	<u>1.44</u> 36.57	<u>1.44</u> 36.57	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.057	23.0	11.0
PT12315	86.0	0.018	<u>0.80</u> 20.32	<u>1.60</u> 40.64	<u>1.72</u> 43.68	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.057	43.0	10.0
PT12316	180.0	0.025	<u>0.91</u> 23.11	<u>1.95</u> 49.53	<u>2.00</u> 50.80	<u>1.20</u> 30.48	<u>0.70</u> 17.78	0.057	78.0	10.0
PT12317	260.0	0.032	<u>1.11</u> 28.19	<u>2.30</u> 58.42	<u>2.30</u> 58.42	<u>1.50</u> 38.10	<u>0.90</u> 22.86	0.057	144.0	10.0
PT12318	60.0	0.025	<u>0.55</u> 13.97	<u>1.20</u> 30.48	<u>1.20</u> 30.48	<u>0.80</u> 20.32	<u>0.40</u> 10.16	0.040	32.0	6.5
PT12319	92.0	0.032	<u>0.80</u> 20.32	<u>1.44</u> 36.57	<u>1.44</u> 36.57	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.040	52.0	7.0
PT12320	188.0	0.048	<u>0.80</u> 20.32	<u>1.60</u> 40.64	<u>1.72</u> 43.68	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.040	98.0	6.0
PT12321	315.0	0.068	<u>0.91</u> 23.11	<u>1.95</u> 49.53	<u>2.00</u> 50.80	<u>1.20</u> 30.48	<u>0.70</u> 17.78	0.040	175.0	6.0
PT12322	570.0	0.095	<u>1.11</u> 28.19	<u>2.30</u> 58.42	<u>2.30</u> 58.42	<u>1.50</u> 38.10	<u>0.90</u> 22.86	0.040	335.0	6.0
PT12323	325.0	0.200	<u>0.90</u> 22.86	<u>1.30</u> 33.02	<u>1.40</u> 35.56	<u>0.75</u> 19.05	<u>0.66</u> 16.76	0.051	280.0	3.5
PT12324	1000.0	0.130	<u>0.80</u> 20.32	<u>1.60</u> 40.64	<u>1.72</u> 43.68	<u>0.90</u> 22.86	<u>0.60</u> 15.24	0.036	470.0	3.5



### Notes:

1. For non-RoHS parts, replace PT prefix with 42- (e.g. PT12310 becomes 42-12310).
2. Terminal finish is compliant to RoHS requirements

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All specifications are subject to change without notice.