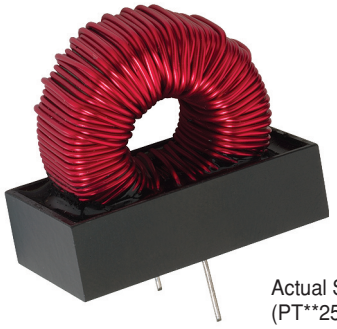
SERIES

PTHFxxxxR-VM
PTKMxxxxR-VM
PTHF-VM
PTKM-VM

RoHS Compliant

Traditional First Quality

Vertical Toroidal Power Chokes



Actual Size
(PT**25-894VM)

- **Excellent electromagnetic shielding** performance for commercial and industrial applications
- **Cost-effective** design
- **For higher saturation levels** use Series PTHF-VM
- Current rating from 1.69 to 14.5 amps
- Inductance values from 10 µH to 1000 µH

Physical Parameters on Next Page

Notes

1) Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.

2) Incremental current is the approximate value that will cause a percentage drop in inductance as indicated in the table.

*Complete part # must include series # PLUS the dash #

For surface finish information,
refer to www.delevanfinishes.com

PART NUMBER*	INDUCTANCE (µH) @ 1 kHz ±10%	RATED IDC (AMPS)	dI ADC ΔL 10%	dI ADC ΔL 20%	DC RESISTANCE MAXIMUM (OHMS)	SRF MINIMUM (MHz)
SERIES PTHF-VM HIGH SATURATION CORE						
PTHF10-50VM	10	7.36	6.00	8.70	0.010	35.0
PTHF25-50VM	25	5.20	3.60	5.30	0.020	10.0
PTHF50-50VM	50	3.93	2.00	3.10	0.035	4.0
PTHF75-50VM	75	3.47	1.60	2.50	0.045	3.5
PTHF100-50VM	100	3.14	1.50	2.20	0.055	2.5
PTHF150-50VM	150	2.33	1.20	1.80	0.100	1.5
PTHF200-50VM	200	1.97	1.00	1.60	0.140	1.3
PTHF250-50VM	250	1.84	0.90	1.40	0.160	1.0
PTHF330-50VM	330	1.69	0.80	1.20	0.190	0.8
PTHF10-121VM	10	8.27	9.00	14.00	0.010	20.0
PTHF25-121VM	25	6.34	7.00	10.50	0.017	6.5
PTHF50-121VM	50	4.77	3.90	6.00	0.030	3.5
PTHF75-121VM	75	3.90	3.90	5.80	0.045	2.5
PTHF100-121VM	100	3.24	3.40	4.70	0.065	2.0
PTHF150-121VM	150	2.68	3.30	4.80	0.095	1.5
PTHF250-121VM	250	2.07	2.20	3.20	0.160	1.0
PTHF10-59VM	10	14.50	15.00	20.00	0.008	10.0
PTHF25-59VM	25	9.80	11.00	16.00	0.011	8.0
PTHF50-59VM	50	6.90	8.30	12.00	0.022	3.5
PTHF75-59VM	75	5.90	6.70	9.10	0.030	2.5
PTHF100-59VM	100	4.90	6.50	8.20	0.044	2.0
PTHF150-59VM	150	4.50	4.20	6.00	0.052	1.0
PTHF250-59VM	250	3.50	4.00	5.60	0.088	0.9
PTHF500-59VM	500	2.60	2.70	3.80	0.160	0.7
PTHF750-59VM	750	2.10	1.80	2.70	0.240	0.5
PTHF25-894VM	25	12.80	13.50	20.00	0.012	8.0
PTHF50-894VM	50	9.90	10.80	15.20	0.016	4.0
PTHF75-894VM	75	8.00	8.00	12.00	0.023	2.5
PTHF100-894VM	100	8.00	7.10	10.60	0.023	2.0
PTHF150-894VM	150	6.50	6.00	9.00	0.035	1.0
PTHF250-894VM	250	5.00	4.60	6.80	0.060	0.9
PTHF500-894VM	500	3.40	3.10	4.60	0.131	0.7
PTHF750-894VM	750	3.00	2.70	4.00	0.160	0.6
PTHF1000-894VM	1000	2.40	2.30	3.50	0.235	0.4
SERIES PTKM-VM FERROUS ALLOY CORE						
PTKM10-50VM	10	7.36	1.70	3.30	0.010	35.0
PTKM25-50VM	25	5.20	1.00	1.90	0.020	10.0
PTKM50-50VM	50	3.93	0.70	1.30	0.035	4.0
PTKM75-50VM	75	3.47	0.60	1.10	0.045	3.5
PTKM100-50VM	100	3.14	0.50	0.96	0.055	2.5
PTKM150-50VM	150	2.33	0.40	0.78	0.100	1.5
PTKM200-50VM	200	1.97	0.35	0.65	0.140	1.3
PTKM250-50VM	250	1.84	0.31	0.59	0.160	1.0
PTKM330-50VM	330	1.69	0.27	0.50	0.190	0.8
PTKM10-121VM	10	8.27	5.30	9.10	0.010	20.0
PTKM25-121VM	25	6.34	3.30	5.70	0.017	6.5
PTKM50-121VM	50	4.77	2.30	4.00	0.030	3.5
PTKM75-121VM	75	3.90	1.80	3.10	0.045	2.5
PTKM100-121VM	100	3.24	1.60	2.80	0.065	2.0
PTKM150-121VM	150	2.68	1.30	2.20	0.095	1.5
PTKM250-121VM	250	2.07	0.90	1.70	0.160	1.0
PTKM10-59VM	10	14.50	7.60	13.00	0.008	10.0
PTKM25-59VM	25	9.80	4.70	8.30	0.011	8.0
PTKM50-59VM	50	6.90	3.30	5.70	0.022	3.5
PTKM75-59VM	75	5.90	3.00	4.90	0.030	2.5
PTKM100-59VM	100	4.90	2.40	4.20	0.044	2.0
PTKM150-59VM	150	4.50	1.90	3.40	0.052	1.0
PTKM250-59VM	250	3.50	1.50	2.70	0.088	0.9
PTKM500-59VM	500	2.60	1.10	1.80	0.160	0.7
PTKM750-59VM	750	2.10	0.90	1.60	0.240	0.5
PTKM25-894VM	25	12.80	6.60	11.00	0.012	8.0
PTKM50-894VM	50	9.90	4.20	7.40	0.016	4.0
PTKM75-894VM	75	8.00	3.70	6.40	0.023	2.5
PTKM100-894VM	100	8.00	3.50	6.00	0.023	2.0
PTKM150-894VM	150	6.50	2.30	4.30	0.035	1.0
PTKM250-894VM	250	5.00	1.90	3.20	0.060	0.9
PTKM500-894VM	500	3.40	1.40	2.50	0.131	0.7
PTKM750-894VM	750	3.00	1.20	2.10	0.160	0.6
PTKM1000-894VM	1000	2.40	1.00	1.80	0.235	0.4

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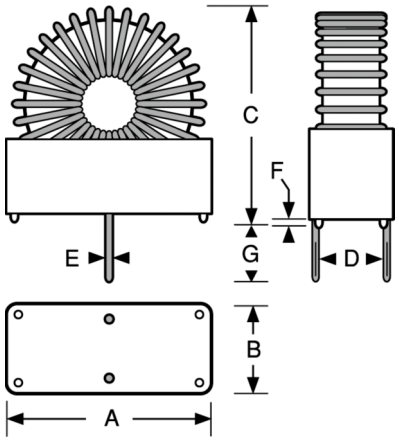
Vertical Toroidal Power Chokes



Physical Parameters

	Inches	Millimeters
F (Standoffs)	0.025	0.635
G (Lead length below standoff)	0.250 ± 0.062	6.35 ± 1.57

Other dimensions in table below

Electrical Information on Preceding Page

PART NUMBER	A Nominal		B Nominal		C Nominal		D Nominal		E Nominal	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
PT**10-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.036	0.914
PT**25-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.032	0.813
PT**50-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.028	0.711
PT**75-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.025	0.635
PT**100-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.025	0.635
PT**150-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.020	0.508
PT**200-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**250-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**330-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**10-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.040	1.016
PT**25-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.040	1.016
PT**50-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.036	0.914
PT**75-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.032	0.813
PT**100-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.028	0.711
PT**150-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.025	0.635
PT**250-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.023	0.584
PT**10-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.051	1.295
PT**25-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.051	1.295
PT**50-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.045	1.143
PT**75-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.040	1.016
PT**100-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.036	0.914
PT**150-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.036	0.914
PT**250-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.032	0.813
PT**500-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.028	0.711
PT**750-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.025	0.635
PT**25-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**50-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**75-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**100-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**150-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.045	1.143
PT**250-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.040	1.016
PT**500-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.032	0.813
PT**750-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.032	0.813
PT**1000-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.028	0.711

**Insert HF or KM for complete Part Number

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

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