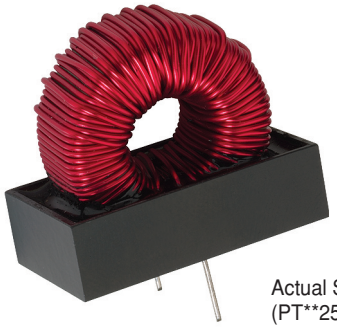
# SERIES

# 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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API Delevan®

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# PTHF-VM & PTKM-VM

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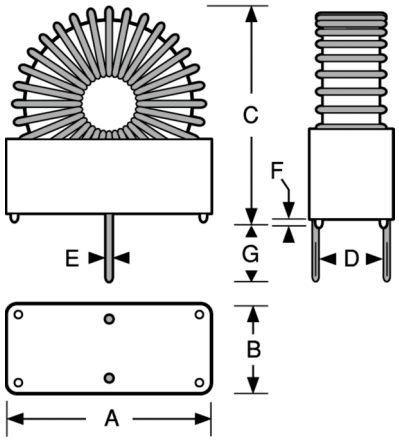
## Vertical Toroidal Power Chokes




**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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API Delevan®

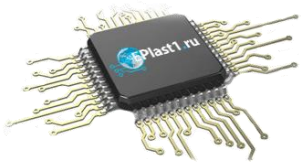
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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