# SERIES

## PTHFxxxxR
## PTKMxxxxR
## PTHF
## PTKM

RoHS Compliant

Traditional First Quality

## Toroidal Power Chokes

Actual Size

**Horizontal or Vertical Mounting**

**Excellent electromagnetic shielding**

**Applications** Use Series PTHF for high DC saturation applications; use Series PTKM for low AC core loss applications.

**DC Resistance** at 25°C

**Rated Idc** based upon 40°C maximum rise from 90°C ambient with 0 Arms

**Self Leads** Solder coated along entire length

**Mounting** Toroids can be provided in a vertical or horizontal mount style. Suffix Part Number with "H" for horizontal mount.

**dI** Incremental Current is the value indicated in the table that will cause an approximate percentage drop in inductance

**Marking** DELEVAN and part number.

Example: PTHF50R-121
DELEVAN PTHF50R-121

***Physical Parameters on Next Page***

*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 HIGH SATURATION CORE** | | | | | | |
| PTHF10-50 | 10 | 7.36 | 6.0 | 8.7 | 0.010 | 35.0 |
| PTHF25-50 | 25 | 5.20 | 3.6 | 5.3 | 0.020 | 10.0 |
| PTHF50-50 | 50 | 3.93 | 2.0 | 3.1 | 0.035 | 7.0 |
| PTHF75-50 | 75 | 3.47 | 1.6 | 2.5 | 0.045 | 5.0 |
| PTHF100-50 | 100 | 3.14 | 1.5 | 2.2 | 0.055 | 4.0 |
| PTHF150-50 | 150 | 2.33 | 1.2 | 1.8 | 0.100 | 2.0 |
| PTHF200-50 | 200 | 1.97 | 1.0 | 1.6 | 0.140 | 1.7 |
| PTHF250-50 | 250 | 1.84 | 0.9 | 1.4 | 0.160 | 1.5 |
| PTHF330-50 | 330 | 1.69 | 0.8 | 1.2 | 0.190 | 1.0 |
| PTHF10-121 | 10 | 8.27 | 9.0 | 14.0 | 0.010 | 20.0 |
| PTHF25-121 | 25 | 6.34 | 7.0 | 10.5 | 0.017 | 8.0 |
| PTHF50-121 | 50 | 4.77 | 3.9 | 6.0 | 0.030 | 4.0 |
| PTHF75-121 | 75 | 3.90 | 3.9 | 5.8 | 0.045 | 3.0 |
| PTHF100-121 | 100 | 3.24 | 3.4 | 4.7 | 0.065 | 2.0 |
| PTHF150-121 | 150 | 2.68 | 3.3 | 4.8 | 0.095 | 1.5 |
| PTHF250-121 | 250 | 2.07 | 2.2 | 3.2 | 0.160 | 1.0 |
| PTHF10-59 | 10 | 14.50 | 15.0 | 20.0 | 0.008 | 20.0 |
| PTHF25-59 | 25 | 9.80 | 11.0 | 16.0 | 0.011 | 8.0 |
| PTHF50-59 | 50 | 6.90 | 8.3 | 12.0 | 0.022 | 4.0 |
| PTHF75-59 | 75 | 5.90 | 6.7 | 9.1 | 0.030 | 3.0 |
| PTHF100-59 | 100 | 4.90 | 6.5 | 8.2 | 0.044 | 2.0 |
| PTHF150-59 | 150 | 4.50 | 4.2 | 6.0 | 0.052 | 1.0 |
| PTHF250-59 | 250 | 3.50 | 4.0 | 5.6 | 0.088 | 1.0 |
| PTHF500-59 | 500 | 2.60 | 2.7 | 3.8 | 0.160 | 0.8 |
| PTHF750-59 | 750 | 2.10 | 1.8 | 2.7 | 0.240 | 0.6 |
| PTHF25-894 | 25 | 12.80 | 13.5 | 20.0 | 0.008 | 8.0 |
| PTHF50-894 | 50 | 9.90 | 10.8 | 15.2 | 0.016 | 4.0 |
| PTHF75-894 | 75 | 8.00 | 8.0 | 12.0 | 0.023 | 3.0 |
| PTHF100-894 | 100 | 8.00 | 7.1 | 10.6 | 0.023 | 2.0 |
| PTHF150-894 | 150 | 6.50 | 6.0 | 9.0 | 0.035 | 1.0 |
| PTHF250-894 | 250 | 5.00 | 4.6 | 6.8 | 0.060 | 1.0 |
| PTHF500-894 | 500 | 3.40 | 3.1 | 4.6 | 0.131 | 0.8 |
| PTHF750-894 | 750 | 3.00 | 2.7 | 4.0 | 0.160 | 0.6 |
| PTHF1000-894 | 1000 | 2.40 | 2.3 | 3.5 | 0.235 | 0.4 |
| **SERIES PTKM FERROUS ALLOY CORE** | | | | | | |
| PTKM10-50 | 10 | 7.36 | 1.70 | 3.30 | 0.010 | 35.0 |
| PTKM25-50 | 25 | 5.20 | 1.00 | 1.90 | 0.020 | 10.0 |
| PTKM50-50 | 50 | 3.93 | 0.70 | 1.30 | 0.035 | 7.0 |
| PTKM75-50 | 75 | 3.47 | 0.60 | 1.10 | 0.045 | 5.0 |
| PTKM100-50 | 100 | 3.14 | 0.50 | 0.96 | 0.055 | 4.0 |
| PTKM150-50 | 150 | 2.33 | 0.40 | 0.78 | 0.100 | 2.0 |
| PTKM200-50 | 200 | 1.97 | 0.35 | 0.65 | 0.140 | 1.7 |
| PTKM250-50 | 250 | 1.84 | 0.31 | 0.59 | 0.160 | 1.5 |
| PTKM330-50 | 330 | 1.69 | 0.27 | 0.50 | 0.190 | 1.0 |
| PTKM10-121 | 10 | 8.27 | 5.30 | 9.10 | 0.010 | 20.0 |
| PTKM25-121 | 25 | 6.34 | 3.30 | 5.70 | 0.017 | 8.0 |
| PTKM50-121 | 50 | 4.77 | 2.30 | 4.00 | 0.030 | 4.0 |
| PTKM75-121 | 75 | 3.90 | 1.80 | 3.10 | 0.045 | 3.0 |
| PTKM100-121 | 100 | 3.24 | 1.60 | 2.80 | 0.065 | 2.0 |
| PTKM150-121 | 150 | 2.68 | 1.30 | 2.20 | 0.095 | 1.5 |
| PTKM250-121 | 250 | 2.07 | 0.90 | 1.70 | 0.160 | 1.0 |
| PTKM10-59 | 10 | 14.50 | 7.60 | 13.00 | 0.008 | 20.0 |
| PTKM25-59 | 25 | 9.80 | 4.70 | 8.30 | 0.011 | 8.0 |
| PTKM50-59 | 50 | 6.90 | 3.30 | 5.70 | 0.022 | 4.0 |
| PTKM75-59 | 75 | 5.90 | 3.00 | 4.90 | 0.030 | 3.0 |
| PTKM100-59 | 100 | 4.90 | 2.40 | 4.20 | 0.044 | 2.0 |
| PTKM150-59 | 150 | 4.50 | 1.90 | 3.40 | 0.052 | 1.0 |
| PTKM250-59 | 250 | 3.50 | 1.50 | 2.70 | 0.088 | 1.0 |
| PTKM500-59 | 500 | 2.60 | 1.10 | 1.80 | 0.160 | 0.8 |
| PTKM750-59 | 750 | 2.10 | 0.90 | 1.60 | 0.240 | 0.6 |
| PTKM25-894 | 25 | 12.80 | 6.60 | 11.00 | 0.008 | 8.0 |
| PTKM50-894 | 50 | 9.90 | 4.20 | 7.40 | 0.016 | 4.0 |
| PTKM75-894 | 75 | 8.00 | 3.70 | 6.40 | 0.023 | 3.0 |
| PTKM100-894 | 100 | 8.00 | 3.50 | 6.00 | 0.023 | 2.0 |
| PTKM150-894 | 150 | 6.50 | 2.30 | 4.30 | 0.035 | 1.0 |
| PTKM250-894 | 250 | 5.00 | 1.90 | 3.20 | 0.060 | 1.0 |
| PTKM500-894 | 500 | 3.40 | 1.40 | 2.50 | 0.131 | 0.8 |
| PTKM750-894 | 750 | 3.00 | 1.20 | 2.10 | 0.160 | 0.6 |
| PTKM1000-894 | 1000 | 2.40 | 1.00 | 1.80 | 0.235 | 0.4 |

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API Delevan®

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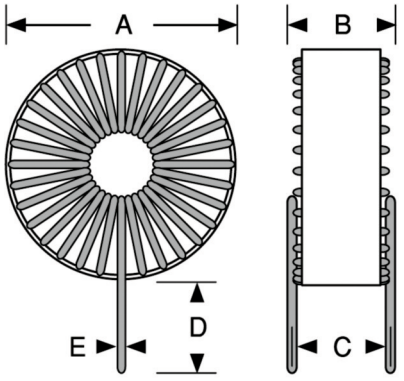
# PTHF & PTKM

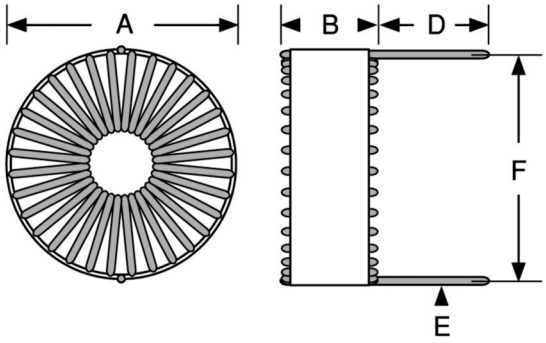
RoHS Compliant

Traditional First Quality

## Toroidal Power Chokes – Horizontal or Vertical Mount




Vertical Configuration




Horizontal Configuration

**PHYSICAL PARAMETERS**

*** Nominal Dimensions** Allow up to 10% of nominal for maximum size

**** Part Number** Insert HF of KM for complete part number, and suffix "H" for horizontal mounting

***Electrical Information on Preceding Page***

| PART NUMBER | A Nominal* | | B Nominal* | | C Typical | | D Nominal* | | E Nominal* | | F Nominal* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Inches | mm | Inches | mm | Inches | mm | Inches | mm | Inches | mm | Inches | mm |
| PT**10-50 | 0.625 | 15.88 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.036 | 0.91 | 0.600 | 15.24 |
| PT**25-50 | 0.625 | 15.88 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.032 | 0.81 | 0.600 | 15.24 |
| PT**50-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.028 | 0.71 | 0.600 | 15.24 |
| PT**75-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.025 | 0.63 | 0.600 | 15.24 |
| PT**100-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.025 | 0.63 | 0.600 | 15.24 |
| PT**150-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.020 | 0.51 | 0.600 | 15.24 |
| PT**200-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.018 | 0.46 | 0.600 | 15.24 |
| PT**250-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.018 | 0.46 | 0.600 | 15.24 |
| PT**330-50 | 0.625 | 15.87 | 0.300 | 7.62 | 0.250 | 6.35 | 0.500 | 12.70 | 0.018 | 0.46 | 0.600 | 15.24 |
| PT**10-121 | 0.820 | 20.83 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.040 | 1.02 | 0.780 | 19.81 |
| PT**25-121 | 0.820 | 20.83 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.040 | 1.02 | 0.780 | 19.81 |
| PT**50-121 | 0.820 | 20.83 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.036 | 0.91 | 0.780 | 19.81 |
| PT**75-121 | 0.820 | 20.83 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.032 | 0.81 | 0.780 | 19.81 |
| PT**100-121 | 0.820 | 20.83 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.028 | 0.71 | 0.780 | 19.81 |
| PT**150-121 | 0.850 | 21.59 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.025 | 0.63 | 0.780 | 19.81 |
| PT**250-121 | 0.850 | 21.59 | 0.400 | 10.16 | 0.320 | 8.13 | 0.500 | 12.70 | 0.023 | 0.58 | 0.780 | 19.81 |
| PT**10-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.370 | 9.40 | 0.500 | 12.70 | 0.051 | 1.30 | 1.050 | 26.67 |
| PT**25-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.370 | 9.40 | 0.500 | 12.70 | 0.051 | 1.30 | 1.050 | 26.67 |
| PT**50-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.370 | 9.40 | 0.500 | 12.70 | 0.045 | 1.14 | 1.050 | 26.67 |
| PT**75-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.370 | 9.40 | 0.500 | 12.70 | 0.040 | 1.02 | 1.050 | 26.67 |
| PT**100-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.370 | 9.40 | 0.500 | 12.70 | 0.036 | 0.91 | 1.050 | 26.67 |
| PT**150-59 | 1.100 | 27.94 | 0.475 | 12.06 | 0.450 | 11.43 | 0.500 | 12.70 | 0.036 | 0.91 | 1.050 | 26.67 |
| PT**250-59 | 1.150 | 29.21 | 0.475 | 12.06 | 0.450 | 11.43 | 0.500 | 12.70 | 0.032 | 0.81 | 1.050 | 26.67 |
| PT**500-59 | 1.150 | 29.21 | 0.475 | 12.06 | 0.450 | 11.43 | 0.500 | 12.70 | 0.028 | 0.71 | 1.050 | 26.67 |
| PT**750-59 | 1.150 | 29.21 | 0.475 | 12.06 | 0.450 | 11.43 | 0.500 | 12.70 | 0.025 | 0.63 | 1.050 | 26.67 |
| PT**25-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.064 | 1.3 | 1.250 | 31.75 |
| PT**50-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.051 | 1.30 | 1.250 | 31.75 |
| PT**75-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.051 | 1.30 | 1.250 | 31.75 |
| PT**100-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.051 | 1.30 | 1.250 | 31.75 |
| PT**150-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.045 | 1.14 | 1.250 | 31.75 |
| PT**250-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.040 | 1.02 | 1.250 | 31.75 |
| PT**500-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.032 | 0.81 | 1.250 | 31.75 |
| PT**750-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.032 | 0.81 | 1.250 | 31.75 |
| PT**1000-894 | 1.300 | 33.02 | 0.650 | 16.51 | 0.600 | 15.24 | 0.750 | 19.05 | 0.028 | 0.71 | 1.250 | 31.75 |

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API Delevan®

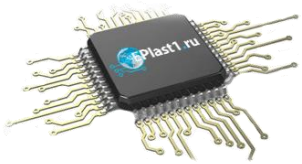
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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**

**Телефон:** 8 (812) 309 58 32 (многоканальный)
**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.