# SERIES

# PTHFxxxR-SM
# PTKMxxxR-SM
# PTHF-SM
# PTKM-SM

RoHS Compliant

Traditional First Quality

## Surface Mount Toroidal Power Chokes

Actual Size (Max.)
(PTHF 100-50SM)

- **Excellent electromagnetic shielding** performance for commercial and industrial applications
- **For higher saturation levels** use Series PTHF-SM
- Current rating from 0.92 to 7.36 amps
- Inductance values from 10 µH to 330 µH

**Marking** API; ether PTHF or PTKM; remainder of part number.

Example: PTKM50R-50SM
API
PTHF
50R-50SM

**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.

| DASH NUMBER* | INDUCTANCE @ 1 kHz (µH) ±10% | CURRENT RATING ADC | Inc-I ADC ΔL 10% | Inc-I ADC ΔL 20% | DC RESISTANCE MAXIMUM (OHMS) | SRF MINIMUM (MHz) |
|---|---|---|---|---|---|---|
| **SERIES PTHF-SM HIGH SATURATION CORE** | | | | | | |
| PTHF10-50SM | 10 | 7.36 | 6.00 | 8.70 | 0.01 | 35.0 |
| PTHF25-50SM | 25 | 5.20 | 3.60 | 5.30 | 0.02 | 10.0 |
| PTHF50-50SM | 50 | 3.93 | 2.00 | 3.10 | 0.04 | 7.0 |
| PTHF75-50SM | 75 | 3.47 | 1.60 | 2.50 | 0.05 | 5.0 |
| PTHF100-50SM | 100 | 3.14 | 1.50 | 2.20 | 0.06 | 4.0 |
| PTHF150-50SM | 150 | 2.33 | 1.20 | 1.80 | 0.10 | 3.0 |
| PTHF200-50SM | 200 | 1.97 | 1.00 | 1.60 | 0.14 | 2.0 |
| PTHF250-50SM | 250 | 1.84 | 0.90 | 1.40 | 0.16 | 1.5 |
| PTHF330-50SM | 330 | 1.69 | 0.80 | 1.20 | 0.19 | 1.0 |
| PTHF10-40SM | 10 | 4.84 | 3.80 | 5.70 | 0.02 | 35.0 |
| PTHF25-40SM | 25 | 3.38 | 2.20 | 3.50 | 0.04 | 20.0 |
| PTHF50-40SM | 50 | 1.90 | 1.70 | 2.50 | 0.11 | 13.0 |
| PTHF75-40SM | 75 | 1.69 | 1.30 | 2.00 | 0.14 | 9.0 |
| PTHF100-40SM | 100 | 1.60 | 1.10 | 1.70 | 0.16 | 6.0 |
| PTHF150-40SM | 150 | 1.45 | 0.90 | 1.40 | 0.19 | 3.5 |
| PTHF200-40SM | 200 | 1.12 | 0.70 | 1.10 | 0.32 | 3.0 |
| PTHF250-40SM | 250 | 1.05 | 0.70 | 1.10 | 0.36 | 2.5 |
| PTHF10-30SM | 10 | 2.56 | 2.20 | 3.40 | 0.05 | 35.0 |
| PTHF25-30SM | 25 | 2.16 | 1.40 | 2.10 | 0.07 | 25.0 |
| PTHF50-30SM | 50 | 1.81 | 1.20 | 1.30 | 0.10 | 10.0 |
| PTHF75-30SM | 75 | 1.62 | 0.80 | 1.20 | 0.13 | 7.0 |
| PTHF100-30SM | 100 | 1.50 | 0.60 | 1.00 | 0.15 | 6.0 |
| PTHF150-30SM | 150 | 1.33 | 0.60 | 1.00 | 0.19 | 3.5 |
| PTHF200-30SM | 200 | 1.04 | 0.50 | 0.70 | 0.30 | 3.0 |
| PTHF250-30SM | 250 | 0.96 | 0.50 | 0.70 | 0.36 | 3.0 |
| PTHF10-180SM | 10 | 1.60 | 0.90 | 1.40 | 0.10 | 35.0 |
| PTHF25-180SM | 25 | 1.33 | 0.60 | 0.90 | 0.15 | 30.0 |
| PTHF50-180SM | 50 | 1.12 | 0.40 | 0.60 | 0.21 | 10.0 |
| PTHF75-180SM | 75 | 0.99 | 0.30 | 0.50 | 0.26 | 8.0 |
| PTHF100-180SM | 100 | 0.92 | 0.30 | 0.40 | 0.30 | 6.0 |
| **SERIES PTKM-SM FERROUS ALLOY CORE** | | | | | | |
| PTKM10-50SM | 10 | 7.36 | 1.70 | 3.30 | 0.01 | 35.0 |
| PTKM25-50SM | 25 | 5.20 | 1.00 | 1.90 | 0.02 | 10.0 |
| PTKM50-50SM | 50 | 3.93 | 0.70 | 1.30 | 0.04 | 7.0 |
| PTKM75-50SM | 75 | 3.47 | 0.60 | 1.10 | 0.05 | 5.0 |
| PTKM100-50SM | 100 | 3.14 | 0.50 | 0.96 | 0.06 | 4.0 |
| PTKM150-50SM | 150 | 2.33 | 0.40 | 0.78 | 0.10 | 3.0 |
| PTKM200-50SM | 200 | 1.97 | 0.35 | 0.65 | 0.14 | 2.0 |
| PTKM250-50SM | 250 | 1.84 | 0.31 | 0.59 | 0.16 | 1.5 |
| PTKM330-50SM | 330 | 1.69 | 0.27 | 0.50 | 0.19 | 1.0 |
| PTKM10-40SM | 10 | 4.84 | 1.30 | 2.50 | 0.02 | 35.0 |
| PTKM25-40SM | 25 | 3.38 | 0.70 | 1.30 | 0.04 | 20.0 |
| PTKM50-40SM | 50 | 1.90 | 0.56 | 1.00 | 0.11 | 13.0 |
| PTKM75-40SM | 75 | 1.69 | 0.45 | 0.86 | 0.14 | 9.0 |
| PTKM100-40SM | 100 | 1.60 | 0.40 | 0.76 | 0.16 | 6.0 |
| PTKM150-40SM | 150 | 1.45 | 0.33 | 0.60 | 0.19 | 3.5 |
| PTKM200-40SM | 200 | 1.12 | 0.30 | 0.56 | 0.32 | 3.0 |
| PTKM250-40SM | 250 | 1.05 | 0.25 | 0.48 | 0.36 | 2.5 |
| PTKM10-30SM | 10 | 2.56 | 0.80 | 1.60 | 0.05 | 35.0 |
| PTKM25-30SM | 25 | 2.16 | 0.50 | 0.96 | 0.07 | 25.0 |
| PTKM50-30SM | 50 | 1.81 | 0.35 | 0.68 | 0.10 | 10.0 |
| PTKM75-30SM | 75 | 1.62 | 0.28 | 0.54 | 0.13 | 7.0 |
| PTKM100-30SM | 100 | 1.50 | 0.23 | 0.50 | 0.15 | 6.0 |
| PTKM150-30SM | 150 | 1.33 | 0.20 | 0.40 | 0.19 | 3.5 |
| PTKM200-30SM | 200 | 1.04 | 0.17 | 0.34 | 0.30 | 3.0 |
| PTKM250-30SM | 250 | 0.96 | 0.15 | 0.30 | 0.36 | 3.0 |
| PTKM10-180SM | 10 | 1.60 | 0.43 | 0.86 | 0.10 | 35.0 |
| PTKM25-180SM | 25 | 1.33 | 0.25 | 0.50 | 0.15 | 30.0 |
| PTKM50-180SM | 50 | 1.12 | 0.18 | 0.35 | 0.21 | 10.0 |
| PTKM75-180SM | 75 | 0.99 | 0.15 | 0.28 | 0.26 | 8.0 |
| PTKM100-180SM | 100 | 0.92 | 0.13 | 0.25 | 0.30 | 6.0 |

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

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

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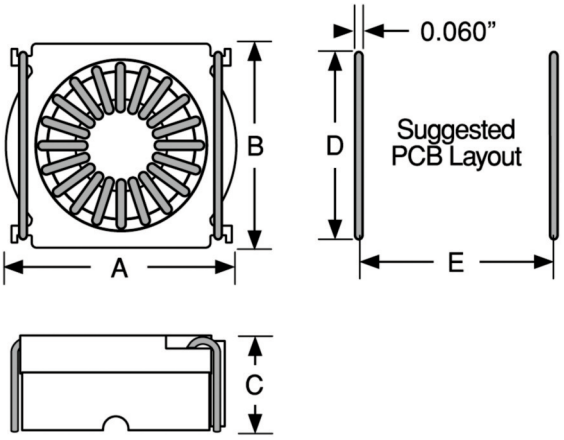
RoHS Compliant

Traditional First Quality

## Surface Mount Toroidal Power Chokes




### PHYSICAL PARAMETERS

| PART NUMBER* | A Max. | | B Max. | | C Max. | | D Nom. | | E Nom. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Inches | mm | Inches | mm | Inches | mm | Inches | mm | Inches | mm |
| PT**10-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**25-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**50-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**75-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**100-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**150-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**200-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**250-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**330-50SM | 0.700 | 17.78 | 0.670 | 17.02 | 0.400 | 10.16 | 0.600 | 15.24 | 0.600 | 15.24 |
| PT**10-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**25-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**50-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**75-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**100-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**150-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**200-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**250-40SM | 0.570 | 14.48 | 0.560 | 14.22 | 0.400 | 10.16 | 0.500 | 12.70 | 0.500 | 12.70 |
| PT**10-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**25-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**50-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**75-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**100-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**150-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**200-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**250-30SM | 0.440 | 11.18 | 0.440 | 11.18 | 0.400 | 10.16 | 0.400 | 10.16 | 0.400 | 10.16 |
| PT**10-180SM | 0.340 | 8.636 | 0.340 | 8.64 | 0.300 | 7.62 | 0.300 | 7.62 | 0.300 | 7.62 |
| PT**25-180SM | 0.340 | 8.636 | 0.340 | 8.64 | 0.300 | 7.62 | 0.300 | 7.62 | 0.300 | 7.62 |
| PT**50-180SM | 0.340 | 8.636 | 0.340 | 8.64 | 0.300 | 7.62 | 0.300 | 7.62 | 0.300 | 7.62 |
| PT**75-180SM | 0.340 | 8.636 | 0.340 | 8.64 | 0.300 | 7.62 | 0.300 | 7.62 | 0.300 | 7.62 |
| PT**100-180SM | 0.340 | 8.636 | 0.340 | 8.64 | 0.300 | 7.62 | 0.300 | 7.62 | 0.300 | 7.62 |

**Insert HF or KM for complete Part Number

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

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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.);

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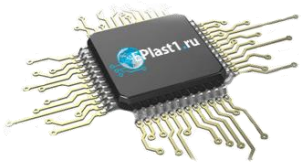
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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