Features

- Complies with IEEE 802.3 standard specifications including 350 μH with 8 mA DC bias
- Minimum interwinding breakdown voltage of 1500 Vrms
- RoHS compliant at 260 °C peak temp.

Integrated magnetics design provides higher reliability and conserves board space

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Electrical Specifications @ 25 °C

Insertion Loss
1-100 MHz ..................-1.0 dB max.

Return Loss
1-30 MHz ......................-18 dB min.
30-60 MHz ......................-14 dB min.
60-80 MHz ......................-12 dB min.

Crosstalk
1-100 MHz ......................-35 dB min.
1-50 MHz ......................-30 dB min.
50-150 MHz .....................-20 dB min.

Operating Temperature ....0 °C to +70 °C
Storage Temperature .......-40 °C to +85 °C

Physical Specifications

Metal Shielding
Nickel-plated copper alloy

Contact
Phosphor bronze, 6 u-inch gold-flashed

Housing
Thermoplastic PBT UL94V0 rated

Packaging Specifications

560 pcs./tray

How to Order

Model
PT44201D

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PT44201D - Single Port 10/100 Base-Tx

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Recommended PCB Layout

COMPONENT SIDE VIEW

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Typical Part Marking

BOURNS
PART NUMBER
PT44201D
DATE CODE
xxxx China

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Electrical Schematic

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Reliable Electronic Solutions

Asia-Pacific:
Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

Europe:
Tel: +41-41 768 5555 • Fax: +41-41 768 5510

The Americas:
Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com