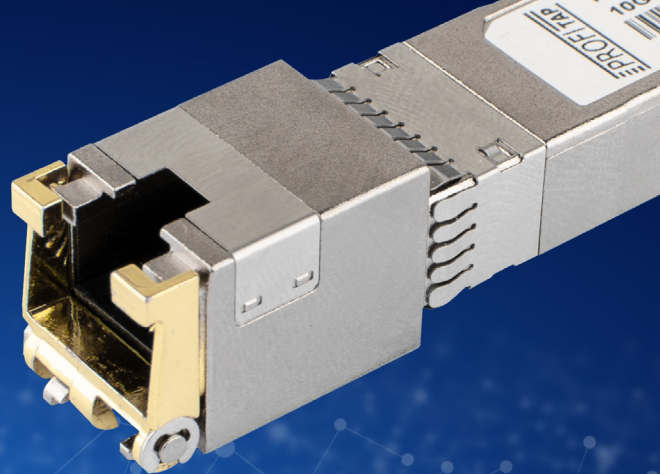


PT-10G-BT-45

DATASHEET



1. GENERAL DESCRIPTION

Profitap's PT-10G-BT-45 is a high performance integrated duplex data link for bidirectional communication over copper cable. It is specifically designed for high speed communication links that require 10 Gigabit Ethernet over Cat 6a/7 cable. This is the first SFP+ transceiver that offers 10Gb/s communication over this type of media.

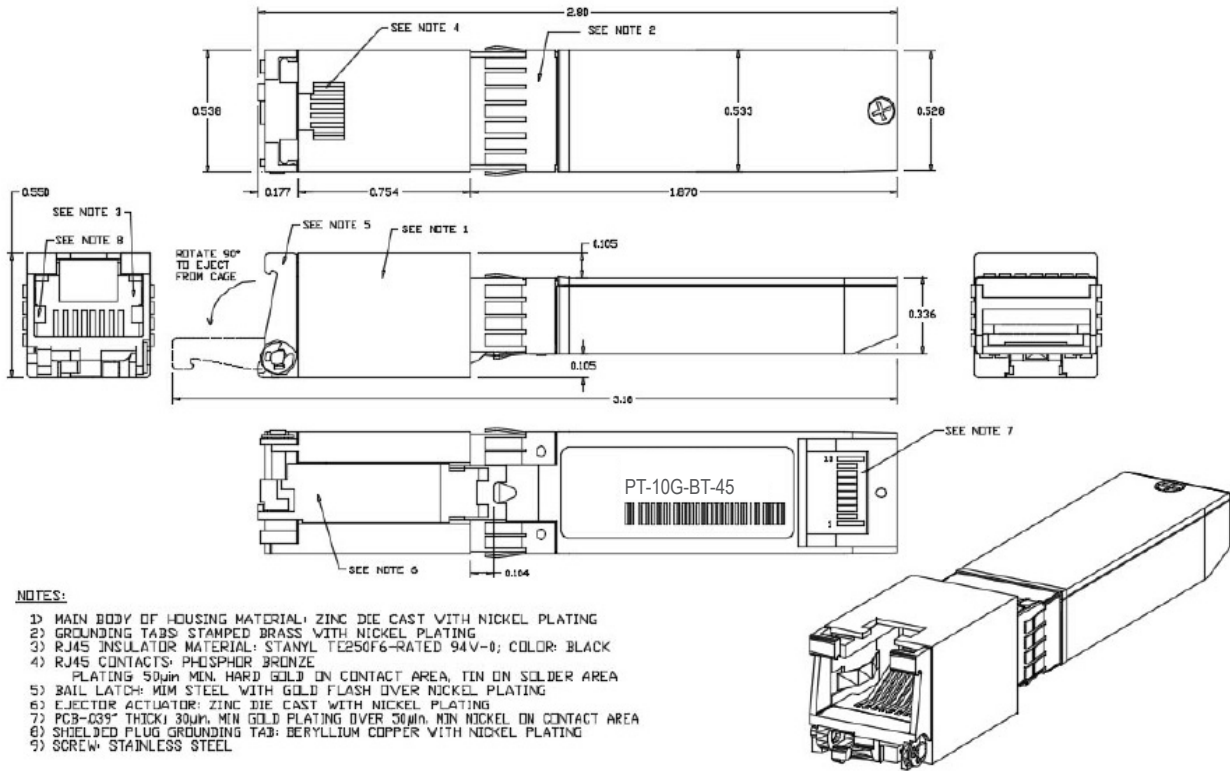
Product features

- ▶ Supports Links up to 30m using Cat 6a/7 Cable
- ▶ SFF-8431 and SFF-8432 MSA Compliant
- ▶ IEEE 802.3az Compliant
- ▶ Low Power Consumption (2.5W MAX @ 30m)
- ▶ Fast Retrain EMI Cancellation Algorithm
- ▶ Low EMI Emissions
- ▶ I2C 2-Wire Interface for Serial ID and PHY Register Access
- ▶ Auto-negotiates with other 10GBase-T PHYs
- ▶ Supports 100/1000Base-T using Cat 5e cable or better
- ▶ MDI/MDIX Crossover
- ▶ Multiple Loopback Modes for Testing and Troubleshooting
- ▶ Built-in Cable Monitoring and Link Diagnostic
- ▶ Robust Die Cast Housing
- ▶ Bail Latch Style ejector mechanism
- ▶ Unshielded and Shielded cable support

2. REGULATORY COMPLIANCE

Profitap PT-10G-BT-45 is designed to be Class I Laser safety compliant and is certified per the following standards:

Feature	Agency	Standard
Product Safety	UL	UL and CUL EN60950-2:2007
Environmental protection	SGS	RoHS Directive 2002/95/EC
EMC	WALTEK	EN 55022:2006+A1:2007 EN 55024:1998+A1+A2:2003



3. ORDERING INFORMATION

Part Number	Product Description
PT-10G-BT-45	10GBASE-T SFP+ 30M

IMPORTANT NOTICE

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by Profitap before they become applicable to any particular order or contract. In accordance with the Profitap policy of continuous improvement specifications may change without notice.

The publication of information on this data sheet does not imply freedom from patent or other protective rights of Profitap or others. Further details are available from any Profitap sales representative.