

## ***DATASHEET***

### ***DESCRIPTION:***

PeakOptical®'s 10G copper transceiver module 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 10 Gb/s communication over this type of media.

### ***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 Features
  - Cable Length Measurements
  - Opens/Shorts
- Robust Die Cast Housing

**Mechanical drawing:**

