AMONICS LTD.
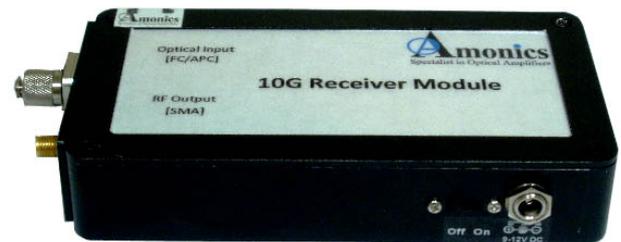
ISO 9001 : 2008
Certificate No.: CC 5346

Applications

- SONET/SDH Systems
- CATV and 10G-Enet
- Transmitter/Receiver Components Testing
- Optical Network System Bit Error Rate Testing

Description

Amonics' PR10G 10Gbit/s ac-coupled photo-receiver integrates a high speed pin diode and a GaAs preamplifier to provide high performance. Featuring high transimpedance coupled with a nonquantizing limiting buffer output, it provides high gain while limiting the maximum output swing, and thus simplifying the interface to subsequent stages. The unit is light weight, compact and easy to use.

Key Features

- AC coupling
- High transimpedance coupling
- Compact in size
- Wide frequency bandwidth
- Broad wavelength bandwidth
- Good performance cost ratio
- Highly reliable and durable

10G Receiver Module (side text)

Specifications

	10G Receiver Module
Sensitivity(10^{-10} BER)	>-18dBm (-20dBm typ.)
Overload(10^{-13} BER)	>0dBm (+2dBm typ.)
Operation Wavelength Range	1280nm-1580nm
Maximum ac output voltage swing	350mVp-p (typ.)
Low/high frequency cutoff	<30kHz / >8GHz
Total input noise(0.1 to 20GHz)	<1200nA rms
RF return loss (0.1GHz to 5GHz)	<10dB
Optical Connector	FC/APC
RF Connector	SMA female (K type)
Supply Voltage	9V Battery or 12VDC
Operation Temperature	-5 to 70 ºC
Storage Temperature	-10 to 75 ºC
Dimension	68mm (W) x 130mm (D) x 25mm (H)

Ordering Information

Product Code	PR10G