

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 Casing

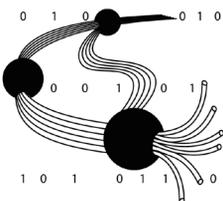


Others

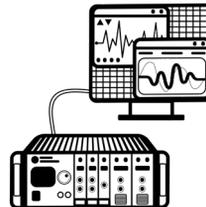
Description

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 non-quantizing 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.

Application



- SONET/SDH Systems
- CATV and 10G-Enet



- Transmitter/ Receiver components testing
- Optical Network System Bit Error Testing



ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

Specifications

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

Ordering Information

Product Code	PR10G
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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