



monics

AMONICS LTD.

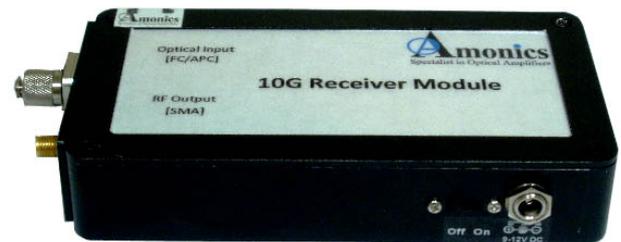


ISO 9001 : 2008
Certificate No.: CC 5346

10G Receiver Module

Applications

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

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 °C
Storage Temperature	-10 to 75 °C
Dimension	68mm (W) x 130mm (D) x 25mm (H)

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.

Amonics Limited, 14/F, Lee King Industrial Building, 12 Ng Fong Street, San Po Kong, Kowloon, Hong Kong
 Beijing Amonics Co. Ltd. Room 902, Unit 1, No.99 Chaoyang North Road, Beijing China 100025

Email: contact@amonics.com Website: www.amonics.com

HK Tel: +852 2428 9723

HK Fax: +852 2428 9704

Beijing Tel: +86 10 84783386

Beijing Fax: +86 10 84783396