

## Applications

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

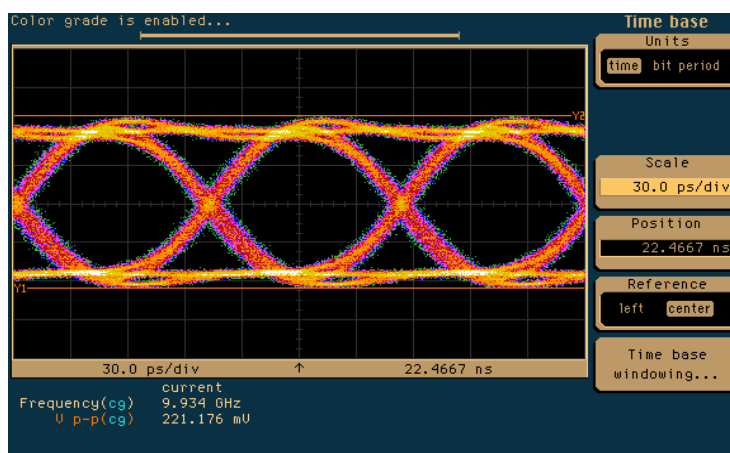


## Description

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, 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
- Two year warranty



10G Receiver Module Specifications

	10G Receiver Module
Sensitivity(10 <sup>-10</sup> BER)	>-18dBm (-20dBm typ.)
Overload(10 <sup>-13</sup> 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	130mm (L) x 68mm (W) x 25mm (H)



Ordering Information

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

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