

## **1102 Photoreceiver**





# InGaAs PIN Photoreceiver, 3 GHz

The PR-3 PIN preamplifiers use an InGaAs PIN chip with GaAs IC preamplifier. The package is designed for a horizontal PC board mount. Each package is connected with multi-mode fiber and it provides data rate up to 2.5 Gb/s. The detector preamplifier is DC coupled and has a low electrical output when the PIN is illuminated.

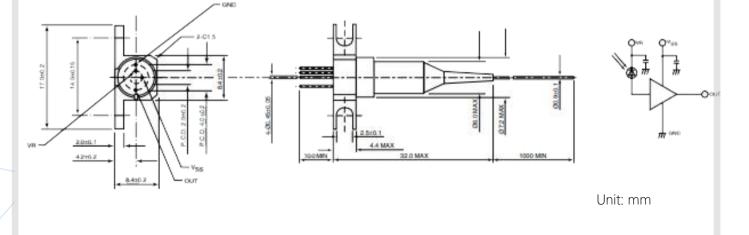
### FEATURES

- 3 GHz Bandwidth
- InGaAs PIN Pre Amplifier
- High Responsivity: 0.85 A/W @1550 nm

### USE IN

- Optical Transmission Systems
- Optical Communication
- Test and Measurement

### MECHANICAL DRAWING





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Responsivity	0.85 A/W min. @ 1310 nm; 0.85 A/W min. @ 1550 nm
Sensitivity	-23 dBm typ.
Bandwidth	3 Ghz typ.
AC Transimpedance	600 Ω
Equivalent Input Noise Current Density	7 pA/Sqrt (Hz) typ.
Sensitivity	-23 dBm typ.
Max. Overload	-3 dBm min.
Reverse Voltage	15 V typ.
Power Supply Current	35 mA typ.
Power Supply Voltage	-5.0 V typ.
Storage Temperature	-40°C to +85°C
Operating Temperature	-40°C to +85°C
Min. Supply Voltage	-7 V
Max. Supply Voltage	0 V
Min. PIN Reverse Voltage	0 V
Max. PIN Reverse Voltage	20 V
PIN Reverse Current	2 mA

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