

1103 APD (Avalanche Photo Diode)

APR-1550-BT



Avalanche Photo Diode (APD)-Transimpedance Amplifier (TIA)

The APR-1550-BT is a Avalanche Photo Diode (APD)-Transimpedance Amplifier (TIA), which adopts high-performance APD semiconductor chip, with high reliability, data rate up to 155 Mbps, 3.3 V operating voltage, TO46 4-pin/5-pin coaxial package. It can be widely used in SDH/SONET transceivers up to 155 Mbps, optical monitoring channel, deceiver for Instrument.

FEATURES

- Data Rate up to 155 mbps
- 3.3 V Operating Voltage
- High Sensitive & High Reliability
- TO46 4-pin/5-pin Coaxial Package

USE IN

- SDH/SONET Transceivers Up to 155 Mbps
- Optical Monitoring Channel
- Other 155 Mbps Data Transmission System
- Receiver for Instrument

Operating Wavelength	1260 nm to 1620 nm
Responsibility	0.5 A/W max.
Sensitivity	-38 dBm typ.
Return Loss	27 dB min.
Modulation Bandwidth	200 MHz
TIA Supply Voltage	3.5 V max.
TIA Supply Current	45 mA max.
APD Breakdown Voltage	55 V max.
APD Operating Voltage	3 V typ.
APD Dark Current	100 nA max.
APD Reverse Current	2 mA max.
TIA Supply Voltage	-0.4 V min.; 4 V max.
Fiber Input Power	+0 dBm max.
Differential Output Voltage	200 mV max.
Operating Case Temperature	-40°C to +85°C