

TO124EATx

APD-TIA TO-Can for 10 Gb/s Applications



Product Brief



Description

Avago Technologies' TO124EATx is a TO-46 packaged APD device with a high-gain transimpedance amplifier (TIA) for use in fiber optics communication networks applications up to 10.7Gb/s. The APD/TIA is mounted into a TO-46 header and hermetically sealed with a lens cap. The APD chip is back-illuminated with 120um diameter surface integrated lens. Avago Technologies' APD chip is designed with planar passivation for low dark current and the low breakdown voltage for low power consumption. The built-in transimpedance amplifier provides wideband, low noise amplification of signal current from a photo detector.

Features

- Built-in a high speed, low noise TIA
- Single 3.3V power supply for TIA
- Differential output
- Operating temperature is -5 °C to +70 °C, can be extend to -40 °C to 85 °C

Applications

- Supports performance up to 10.7 Gb/s bit rate, range up to 80km
- LR1 SONET/ SDH OC-192/ STM-64
- 10 Gigabit Ethernet
- 10 G Fiber Channel

For product information and a complete list of distributors, please go to our web site: www.avagotech.com

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