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## ZL60022 850 nm, 4.25 Gbps PIN Preamplifier with Photocurrent Monitor

**Product Status - Production**

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The ZL60022 is a 4.25 Gbps PIN/TIA receiver module for 850 nm optical communications. The module is either available in a TO-46 package with lensed cap or as LC Receiver Optical Subassembly (ROSA) and is operated from a single 3.3 V supply. This high-sensitivity module serves as a basic building block for optical transceivers for data rates up to 4.25 Gbps over multi mode optical fiber at 850 nm. The module comprises a high-speed top-illuminated pin photodiode and a hybrid low noise transimpedance amplifier (TIA). Besides its differential data output, the module features a photocurrent monitor output, which provides a current that is directly proportional to the RMS value of the photocurrent of the photodiode.

### Features

- GaAs PIN with Integrated TIA
- 1.0625 to 4.25 Gbps multi-rate operation
- Wide operating temperature range (-40 to +85 C)
- High optical sensitivity
- High dynamic range
- Received signal strength indicator (RSSI)
- Photocurrent Monitor
- 50 and 62.5 um multi-mode fiber
- Single 3.3 V supply
- Pb-free packaging
- Hermetically sealed 5-lead TO-46 package with lensed cap (MIL-STD 883)
- Offered in any standard Receiver Optical Subassembly including LC style ROSA
- All our optoelectronic components are customizable for optical and electrical performance and are offered in various package options.

For more details visit [optoelectronic custom capabilities](#)

### Typical Applications

- Fiber Channel (FC) and Gigabit Ethernet (GbE) based transmission systems operating between 1.0625 and 4.25 Gbps
- SFF and SFP transceiver modules
- Proprietary 850-nm optical communication links

### Product Information

Document Type	Title	Last Updated	Format/Size	Receive via e-mail
<b>Data sheet</b>	<a href="#">850 nm, 4.25 Gbps PIN Preamplifier with Photocurrent Monitor</a>	17-FEB-05	PDF 238.6K	<a href="#">E-mail</a>

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### Product Availability and Packaging

- ▼ **PA**
  - ZL60
  - Feat
  - Typic
  - Prod
  - Prod Pack

- ▼ **RE**
  - Re wit Tre
  - Rec with

- ▼ **US**
  - E-ma
  - Book
  - Notif
  - Tech

- ▼ **LA**
  - Ba
  - To tra



[Trans](#)

Ordering Part No.	Package Type	No. of Pins	Lead-free Option	Shipping Option	Lead Time (Weeks)	Status
ZL60022TBDB	TO WITH LENS	5		Boxed		Production

Product Lead-Times when quoted are not guaranteed and are provided as a general guideline only; they may be varied from time to time without notice. Updated estimates or actual schedule commit dates will be provided at the time of order placement with Zarlink or its distributor.

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