OSI LaserDiode, Inc.
An OSI Systems Company

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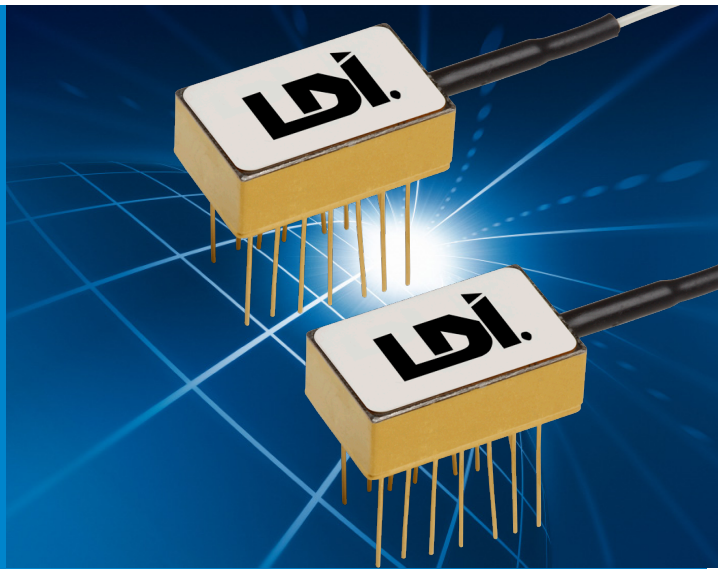
www.laserdiode.com
ISO-9001:2015 Certified

1300nm Edge-Emitting LED

- **Excellent Thermal Stability**
- **Singlemode and Multimode Pigtail**
- **Hermetic 14-PIN DIL Packages**
- **Thermoelectric Cooler Option**
- **Military Screening Available**
- **High Reliability Coupling**

- **Applications Include:**
  - Data Transmission Systems
  - Fiber Optic Modems
  - TFOCA Systems



OSI Laser Diode, Inc.'s 1300nm edge-emitting **LEDs** (Light Emitting Diode) feature stable power and spectral characteristics over temperature. These **LEDs** are typically used in data or analog transmission systems where the launch power requirements are too great for an **SLED** component and where a laser is not suitable.

Specifications and Limits @25˚C

Electro-Optical Characteristics

PARAMETERS	Units	Min	Typ	Max
Center wavelength	nm	1265	1300	1330
Spectral width	nm		80	
Spectrum vs. temperature coefficient	nm/˚C		0.75	
Spectral width vs. temperature coefficient	nm/˚C		0.3	
Optical rise/fall time	ns		4.0	
Forward current	mA			150
Output power				
Into 50-micron core, multimode fiber at 150 mA				
Option 1	uW	40		
Option 2	uW	80		
Into 9-micron core, singlemode fiber at 150 mA				
Option 1	uW	4		
Option 2	uW	8		
Average power decrease with increase in temperature *	%/˚C		-1.5	
Average power increase with decrease in temperature *	%/˚C		5.0	

*Uncooled versions *only*; cooled versions available upon request

Absolute Maximum Ratings

	Units	Min.	Typ.	Max.
Forward Current	mA	-	-	200
Forward Voltage	V	-	-	2
Soldering time at 260 °C	sec	-	-	10

Packaged Diode Characteristics

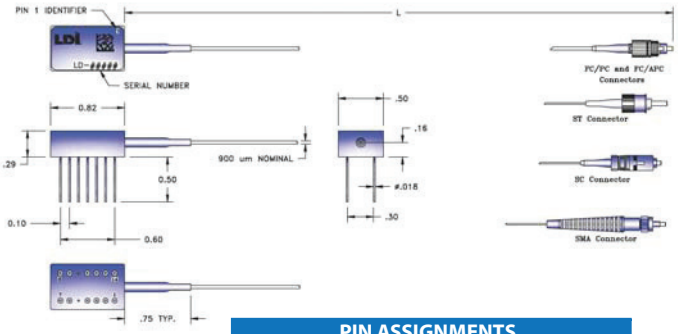
LDT	362	362NF	60005	60005NF
Package Style [1,2]	LH	NF	LH	NF
Pigtail	50/125	50/125	9/125	9/125
Operating Temperature	-40 to +85			
Storage Temperature	-40 to +85			

Note: 1. No Flange (NF) 2. Long Horn (LH)

Fibers have a 900um tight buffer jacket. Other fiber pigtails available upon request.

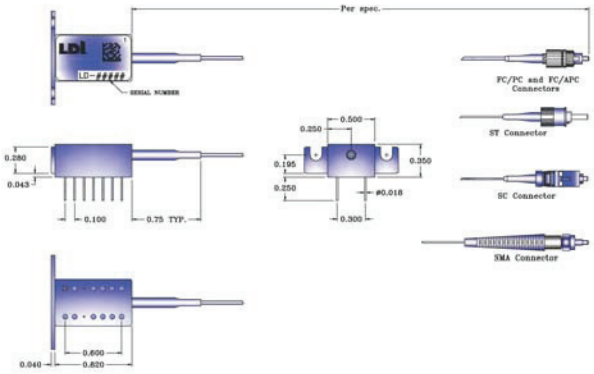
Outline Drawing

No Flange (NF) Package



PIN ASSIGNMENTS	
Pin No.	Function
1,2,3,4,6,7,8,11, 12,13,14	No connection
5	LED anode (+), Ground
9	LED cathode (-)
10	Ground

Standard Long Horn (LH) Package



Dimensions: Inches [mm]
Detailed package drawings are available upon request.
Standard fiber lengths: 1m min. unconnectorized; 1m +/- 0.1m connectorized

Part Ordering Information

When ordering, refer to the numbering diagram below.

Type	Package		Power	Connector	
LDT	XX	-	XXX	XX	R
362 (MM Coupled)	No designation = LH NF = No Flange		040 = 40uW 080 = 80uW	FC ST® SC SMA	RoHS Designator
or					
60005 (SM Coupled)	No designation = LH NF = No Flange	-	004 = 4uW 008 = 8uW		RoHS Designator

EXAMPLE: LDT 60005NF-004R
LED, 1300nm, 4uW, 14 pin-DIP, NO FLANGE
9/125/900 um pigtail, RoHS Compliant

Products can be ordered directly from OSI Laser Diode, Inc. or its representatives.
For a complete listing of representatives, visit our website at
www.laserdiode.com

Personal Hazard and Handling Precautions:
Handle optical fiber with normal care, avoiding stretch, tension, twist, kink or bend abuse. ESD precautions apply.

Warranty:
Please refer to your product purchase agreement for complete details or check with your OSI Laser Diode sales representative.

Notice:
OSI Laser Diode, Inc. reserves the right to make changes to the products or information contained herein without notice.
No liability is assumed as a result of their use or application.