



## RLC-P85A306

### GaAs PIN Photodiode LC Receptacle, 1.5GHz Bandwidth

#### Overview

The Lasermate RLC-P85A306 is a high responsivity at 850nm, GaAs photodiode, LC ROSA with 1.5GHz bandwidth. The photodiode is designed for use in fiber optic data communication applications.

#### Features

- GaAs photodiode
- High responsivity at 850nm
- 1.5GHz bandwidth
- -40 to 85°C operating temperature
- Pre-aligned plastic LC ROSA

#### Applications

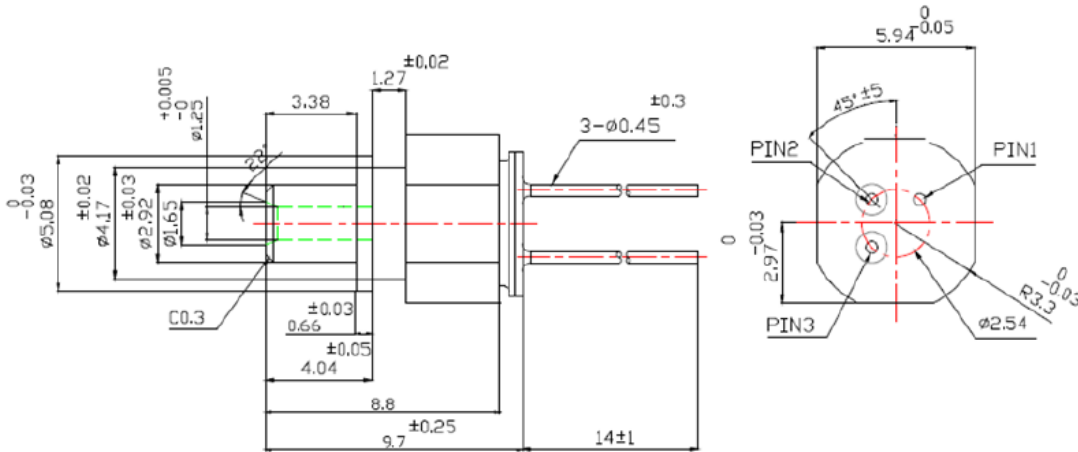
- SONET OC-3
- ATM 155Mbps

#### Specifications

Absolute Maximum Ratings				
Parameters	Min.	Max.	Unit	Conditions
Storage Temperature	-40	100	°C	
Operating Temperature	-40	85	°C	
Soldering Temperature		260	°C	10 seconds max
Forward Current		10	mA	

Electro-Optical Characteristics (CW @ T=25°C)						
Parameters	Symbol	Min.	Typ.	Max.	Unit	Conditions
Responsivity	R	0.4	0.5		A/W	$V_R=5V, \lambda=850nm$
Dark Current	$I_D$			2	nA	$V_R=5V$
Breakdown Voltage	$V_{BD}$	20			V	$I_R=10\mu A$
Capacitance	C	-	1.2	1.5	pF	$V_R=5V, f=1MHz$
Bandwidth (3dB)	BW	1.5	-	-	GHz	$V_R=5V$
Central Wavelength	$\lambda_c$	830	850	880	nm	$V_R=5V$

**Outline Dimensions (unit: mm)**



Number	Function
1	Case GND
2	PD Cathode
3	PD Anode

Note: Specifications are subject to change without notice.