



Connectorized 2.5Gbps 850nm VCSEL LC-TOSA with Monitor PD, -40~85°C
Part No.TLC-P85A416-3M (Common cathode) | TLC-P85A426-3M (Common anode)

Features

- Pre-aligned LC-type receptacle for 50/125um multi-mode fiber communication
• Design for small form factor transceivers
• Data rate operation from DC to 2.5Gbps
• Operation temperature range -40°C to 85°C
• Common cathode or common anode



Specifications

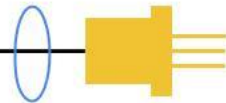
Table with 5 columns: Parameters, Min., Max., Unit, Conditions. Title: Absolute Maximum Ratings. Rows include Storage Temperature, Operating Temperature, Lead Solder Temperature, Continuous Forward Current, and Continuous Reverse Voltage.

Table with 7 columns: Parameters, Symbol, Min., Typ., Max., Unit, Conditions. Title: Electro-Optical Characteristics. Rows include Threshold Current, Forward Voltage, Slope Efficiency, Series Resistance, Wavelength, Rise/Fall Time, Spectral Width (RMS), Relative Intensity Noise, PD Monitor Current, PD Dark Current, and PD Capacitance.

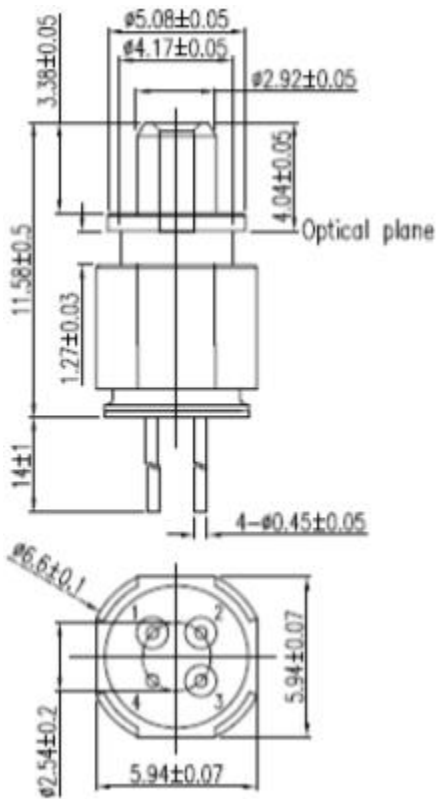
Notes:

- 1. All parameters except mentioned are measured at IF=6 mA, 25°C, CW.
2. POC=Coupled Optical Power, measured with a multi-mode 50/125um fiber and ambient temperature 25°C.
3. Minimum and Maximum values are valid over the entire ambient temperature range.

Table with 7 columns: Parameters, Symbol, Min., Typ., Max., Unit, Conditions. Title: Thermal Characteristics. Rows include Ith Temperature Variation, eta Temperature Coefficient, lambdaP Temperature Coefficient, Series Resistance, and PD Monitor Current Coefficient.



Outline Dimensions (unit: mm)



Pin Configuration

TLC-P85A416-3M		TLC-P85A426-3M	
Number	Function	Number	Function
1	VCSEL Anode	1	VCSEL Cathode
2	VCSEL Cathode/PD Anode	2	VCSEL Anode/PD Cathode
3	PD Cathode	3	PD Anode
4	Case	4	Case

Note: Specifications are subject to change without notice.