

1310nm 155Mbps 3-Pin LED TOSA

EI6E-9000-G Series

Ver. : 1.2

Type Name: EI6E-9000-G

Product Description:

The LuxNet 1310nm LED TOSA assembly is designed for fiber optic data communication applications. This TOSA can be integrated with different types of ports that are engaged with a multi mode fiber connector to provide good coupling efficiency as light generated by the LED is transmitted into multi mode fiber.

Application Note:

- LED

Product Specifications:

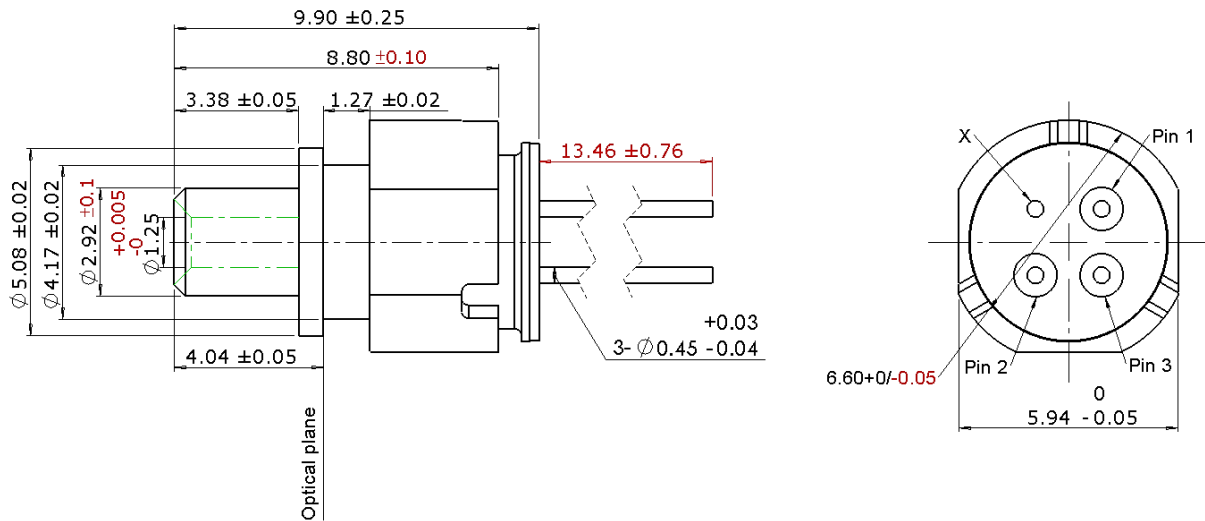
Absolute Maximum Ratings (T = 25°C)

| Parameter | Symbol | Unit | Min. | Max. | Note |
|---------------------------|------------------|------|------|------|-----------------|
| Operating Temperature | T _{op} | °C | - 40 | 85 | |
| Storage Temperature | T _{stg} | °C | - 40 | 85 | |
| Solder Reflow Temperature | T _s | °C | | 260 | 10 seconds max. |
| Reverse Voltage | V _r | V | | 2 | |
| Forward Current | I _F | mA | | 150 | |

Electro-Optical Characteristics (T = 25°C, CW, I_F=60mA):

| Parameter | Symbol | Unit | Min. | Typ | Max. | Test Condition |
|-------------------------------|---------------------------------|------|------|------|------|---------------------|
| Optical output power | P _o | uW | 30 | | | 62.5/125um MM fiber |
| Wavelength | λ | nm | 1280 | 1310 | 1380 | |
| Spectral Width (RMS) | Δλ | nm | | | 170 | |
| Forward Voltage | V _F | V | | 1.2 | 1.7 | |
| Rise Time/ Fall Time | T _r / T _f | ns | | | 3 | 10%-90% |
| Output Power over Temperature | ΔP _o /ΔT | dB | | | ±3 | -40°C to +85°C |

*All specifications or information contained herein are subject to change for improvement without notice.
Further details are available from any LUXNET sales representative.*

EI6E-9000-G (LC TOSA)
Dimension: (mm)
All dimensions are nominal

PINOUT

| Number | Function |
|--------|-------------|
| 1 | Case Gnd |
| 2 | LED Cathode |
| 3 | LED Anode |

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Document History

| Version | Date (MM/DD/YYYY) | Notes |
|------------|----------------------|---|
| 1.0 | 11/13/2009 | Preliminary datasheet |
| 1.1 | 05/20/2014 | Change new address |
| 1.2 | 04/12/2022 | Change new file form and modify correct dimensions |

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