

1310nm LED TOSA

EI6C-9010-EN Series

Ver. : 1.2

Type Name: EI6C-9000-E
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		50	62.5/125um MM fiber
Wavelength	λ	nm	1260	1310	1350	
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.*

Document History

Version	Date (MM/DD/YYYY)	Notes
1.0	12/13/2010	Preliminary datasheet
1.1	05/20/2014	Change new address
1.2	04/18/2022	Change new file form and modify correct dimensions

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