

Description 描述

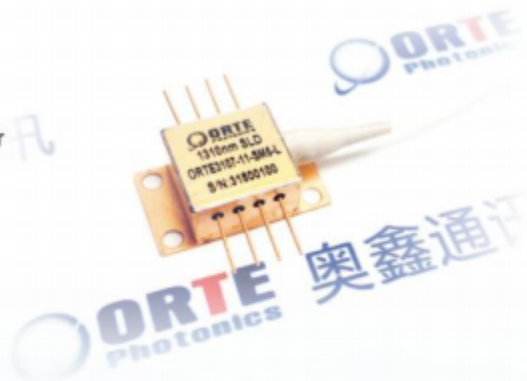
The ORTE3107 series of 1310nm SLED is a high-capability, wide spectral range, high stability, low degree of coherence broadband light source. Single-mode or polarization maintaining fiber output, can choose a variety types of connectors or adapters, to facilitate rapid interconnection with external devices.

ORTE3107-1XX-XXX-L 系列 1310nm SLED 组件是高性能、宽光谱、高稳定性和低相干宽带光源。单模或保偏光纤及不同连接头可选，输出功率可达 1.5mW。

Features 特征

8pin Butterfly Package;
With Thermoelectricity Cooler (TEC);
SMF or PMF Coupling;
Excellent Reliability Used Low Shrinkage Adhesive Fixing Fiber
Telcordia GR-468-CORE and RoHS Compliant.

8pin 蝶形封装
带热电制冷器
单模或保偏光纤耦合
低收缩率胶水固定光纤可靠性高
满足 Telcordia GR-468-CORE 和 RoHS



Applications 应用

Optical Fiber Gyroscope 光纤陀螺
Optical Fiber Sensor 光纤传感
Optic Passive Module Test 光无源器件测试
Spectral Analysis 光谱分析

Absolute Maximum Ratings 最大额定值

Parameter 参数	Symbol 符号	Min. 最小值	Max. 最大值	Unit 单位	Remark 备注
Storage Temperature 储存温度	T_{Stg}	-55	85	°C	
Operating Temperature 工作温度	T_{Op}	-45	70	°C	
Forward Voltage 正向电压	V_f	-	2	V	
Reverse Voltage 反向电压	V_R	-	-2	V	
TEC Operating Current 制冷器工作电流	I_{acc}	-	0.8	A	
TEC Operating Voltage 制冷器工作电压	V_{acc}	-	3.4	V	

The above product information is for reference only, please contact our company for the latest information.

Optical/Electrical Characteristics 光电性能

Parameter 参数	Symbol 符号	Min. 最小值	Type 典型值	Max. 最大值	Unit 单位
Operation Current 工作电流	I_{Op}	-	100		mA
Optical Output Power 光输出功率	P_f	1	-	1.5	mW
Center Wavelength 中心波长	λ_c	1290	1310	1330	nm
Bandwidth FWHM 带宽	Bw	35	40	-	nm
Spectral Ripple 光谱纹波		-	0.1	0.2	dB
Low Polarization Extinction Ratio 低偏消光比	PER	-	-	1.0	dB
TE 跟踪误差	ΔP^*	-	3	4	%
Fiber Length 光纤长度	L	1	-	-	m

* $\Delta P = (P_{max} - P_{min}) / (P_{max} + P_{min}) * 100\%$