



Electro Optical Components, Inc.

5460 Skylane Boulevard, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

www.eoc-inc.com | info@eoc-inc.com



830nm SLED

GS830-1mWF-14DIP-S



Features:

Wavelength: 830±10nm SLED

High stability 14DIL Package

Fiber and connector available for customer design

TEC and driver be integrated

Applications

Fiber Sensor

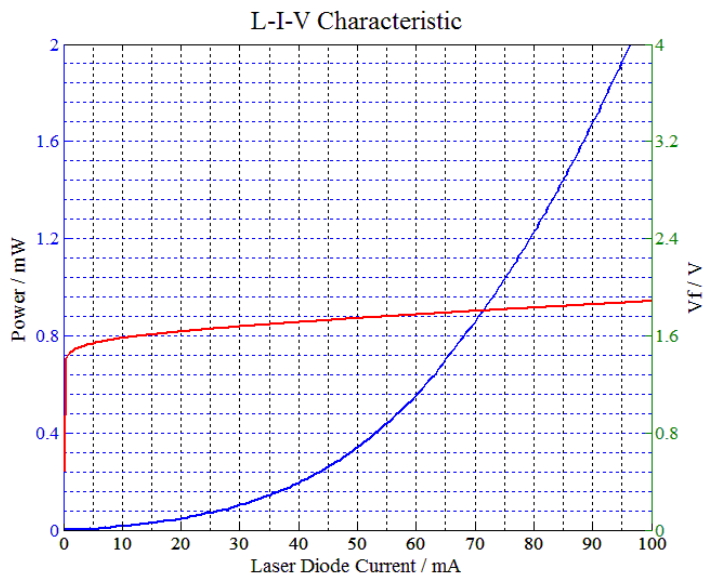
OCT

Smart Grid

Optical Measurement

830nm SLED Characteristics (25 °C)

Driver Module



Typical Device Performance (25°C)

Parameter		Symbol	Typical Value	Unit
			GS830-1mWF-14DIP-S	
Optical	CW Output Power and stability	P_{op}	>1	mW
			$\leq \pm 0.03$	dB/8 hour
	Center Wavelength	λ_c	830±10	nm
	Spectral Width	$\Delta\lambda$	>30	nm
Electrical	Operating Current	I_{op}	120	mA
	Operating Voltage	V_{op}	1.9	V
	PD Current	I_{mo}	-	uA
	TEC Max Current	I_t	1.8	A
	TEC Max Voltage	V_t	3.2	V
	Thermistor	R_t	10±5%/3477	(K Ω)/β(25°C)
Fiber	Fiber Type	-	Single Mode	-
	Fiber Tail Length	L	0.3	m
	Connector	-	ST, FC, SMA905	-

Other Parameters

Parameter	Operating Temperature /°C	Operating Relative Humidity /%	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature, 10s max/°C
Min	10	-	-20	-	-
Max	40	75	70	90	250

Package Dimensions (mm)

Pin	Function	Pin	Function
1	TEC(+)	8	-
2	-	9	Laser(-)
3	-	10	Laser(+)
4	-	11	Thermistor
5	Laser (+)	12	Thermistor
6	-	13	-
7	-	14	TEC(-)

