

Features

- Good FFP performance
- Higher power
- High efficiency

Applications

- Excitation
- Bioanalytical
- Photolithography, Curing and others

Absolute Maximum Ratings

Parameter	Symbol	Condition	Rating	Unit
Light output power	P_o	CW	35	mW
Reverse voltage (LD)	V_{RL}	-	2	V
Case temperature	T_c	-	-10 to +60	°C
Storage temperature	T_s	-	-40 to +85	°C
Soldering temperature	T_{Sld}	-	350	°C

Electrical and Optical Characteristics

Parameter	Symbol	Min	Typ.	Max	Unit	Condition
Threshold current	I_{th}	-	30	50	mA	-
Operating current	I_{op}	-	75	100	mA	P _o =30 mW
Operating voltage	V_{op}	-	6	7.5	V	
Peak wavelength	λ	497	505	515	nm	
Parallel divergence angle	$\theta_{ }$	6	8	10	°	
Perpendicular divergence angle	θ_{\perp}	20	23	26	°	
Parallel FFP deviation angle	$\Delta\theta_{ }$	-3	0	3	°	
Perpendicular FFP deviation angle	$\Delta\theta_{\perp}$	-3	0	3	°	
Differential efficiency	η	0.45	0.65	-	mW/mA	$\frac{20mW}{I(30mW)-I(10mW)}$

