

Features

- Good FFP Performance
- High Power
- High Efficiency
- 5.6 mm Package

Applications

- Excitation
- Bioanalytical
- Photolithography, Curing and others

Absolute Maximum Ratings

Parameter	Symbol	Condition	Rating	Unit
Light output power	P_o	CW	105	mW
Reverse voltage (LD)	V_{RL}	-	2	V
Reverse voltage (PD)	V_{RD}	-	30	V
Case temperature	T_C	-	-10 to +70	°C
Storage temperature	T_S	-	-40 to +85	°C

Electrical and Optical Characteristics

Parameter	Symbol	Min	Typ.	Max	Unit	Condition
Threshold current	I_{th}	-	40	-	mA	-
Operating current	I_{op}	-	125	-	mA	P _o =100 mW
Operating voltage	V_{op}	-	2.35	-	V	
Peak wavelength	λ	-	685	-	nm	
Parallel divergence angle	$\theta_{ }$	-	9	-	Degree	
Perpendicular divergence angle	θ_{\perp}	-	14	-	Degree	
Parallel FFP deviation angle	$\Delta\theta_{ }$	-3	0	3	Degree	
Perpendicular FFP deviation angle	$\Delta\theta_{\perp}$	-3	0	3	Degree	
Monitor current	I_m	0.1	0.2	0.5	mA	
Differential efficiency	η	-	1.17	-	mW/mA	P _o =5 - 100 mW

