

Features

- 905 nm Infrared Laser
- \varnothing 5.6 mm TO-CAN package
- Single Transverse Mode Laser
- High Output Power

Applications

- Sensing
- Industrial Applications

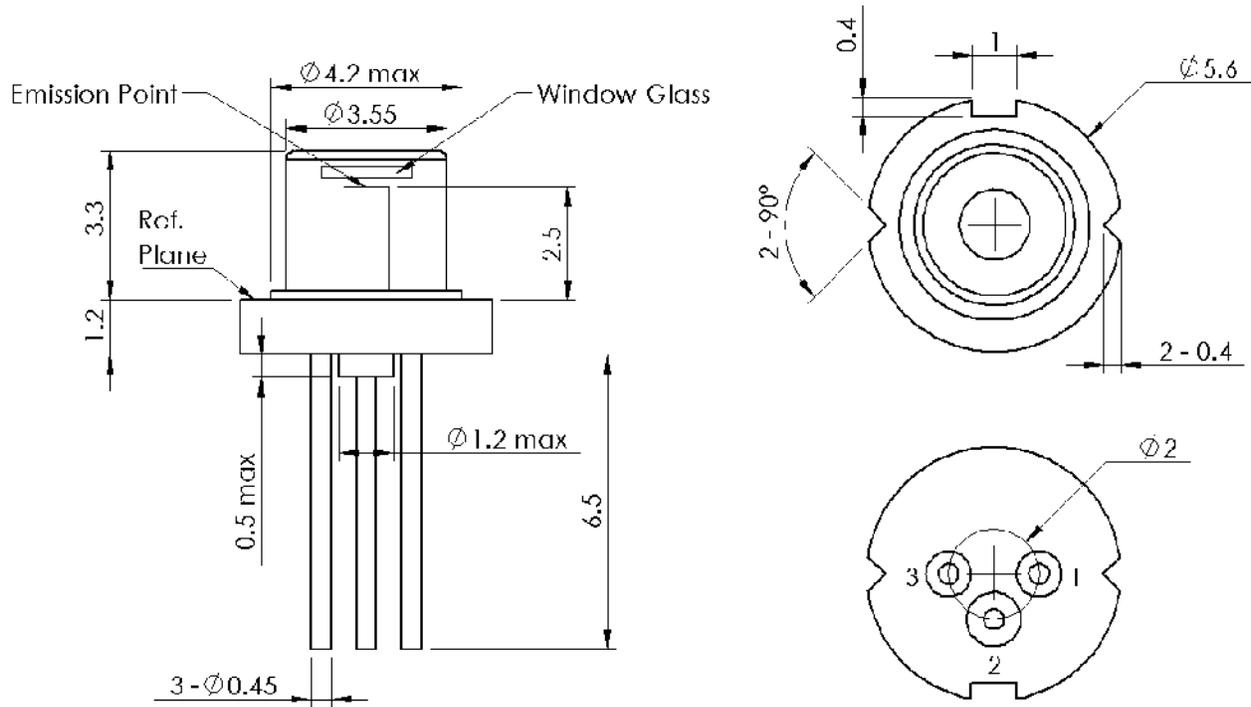
Absolute Maximum Ratings

Parameter	Symbol	Condition	Rating	Unit
Light output power	P_o	CW	200	mW
Reverse voltage (LD)	V_{RL}	-	2	V
Reverse voltage (PD)	V_{RD}	-	30	V
Case temperature	T_c	-	-10 to +70	$^{\circ}$ C
Storage temperature	T_s	-	-40 to +85	$^{\circ}$ C

Electrical and Optical Characteristics

Parameter	Symbol	Min	Typ.	Max	Unit	Condition
Threshold current	I_{th}	-	30	60	mA	-
Operating current	I_{op}	-	250	300	mA	P _o =200 mW
Operating voltage	V_{op}	-	2.1	2.5	V	
Peak wavelength	λ	895	905	915	nm	
Parallel divergence angle	θ	5	9	13	Degree	
Perpendicular divergence angle	θ_{\perp}	20	26	32	Degree	
Parallel FFP deviation angle	$\Delta\theta$	-3	0	3	Degree	
Perpendicular FFP deviation angle	$\Delta\theta_{\perp}$	-3	0	3	Degree	
Slope Efficiency	η	0.5	0.8	1.1	W/A	
Monitor current	I_m	0.1	0.3	0.8	mA	

Package Dimensions



Electrical Connections

