



**LDLS445-1000 445nm 1000mW Laser Diode**

■ **Features**

Wavelength: 440-455nm

Multi Transverse Mode

Can Type: 5.6mm Floating mounted

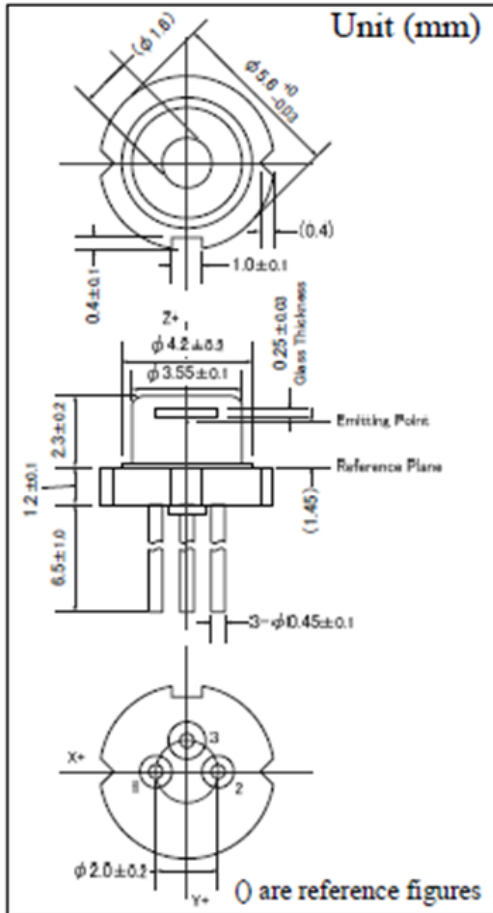
■ **Absolute Maximum Ratings (Tc=25°C)**

Parameter	Symbols	Ratings	Units
Forward current	If	1.2	A
Optical Output Power	Po (CW)	1.5	W
LD Reverse Voltage	Vr (LD)	5	V
Operating Case Temperature	Tc	0 ~ +30	°C
Storage Temperature	Tstg	-40 ~ +85	°C

**Initial Electrical and Optical Characteristics at Tc=25°C**

Parameter	Symbols	Conditions	Min	Typ	Max	Units
Optical Output Power	P <sub>O</sub>	If=1.0A	0.75	1.0	-	W
Dominant Wavelength	d	If=1.0A	440	-	455	nm
Threshold Current	I <sub>th</sub>	CW	100	-	300	mA
Operating Voltage	V <sub>op</sub>	If=1.0A	4.0	-	6.0	V
Slope Efficiency		CW	0.8	-	1.8	W/A
Beam Divergence	//	If=1.0A	5	12	25	deg.
Full Angle (1/e <sup>2</sup> )		If=1.0A	30	40	50	deg.
Emission Point Accuracy		If=1.0A	-5.0	-	5.0	deg.

## Outline Dimension



## Pin Connection

