Laser Diode ZBD-LD-525-2100M-MC

ZBD-LD-525-2100M-MC is a multimode laser diode with 2.1 W CW output power at 525nm. It is supplied in a 9mm floating mounted TO can with Zener Diode. The laser diode is suitable for the use in various opto-electronic applications

■ Absolute Maximum Ratings

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current(Tc=25℃)	If	2.6	A
Revers Current(Tc=25℃)	Ir(LD)	85	mA
Storage Temperature	T_{stg}	-40~85	°C
Operating Case Temperature	T_c	0~55	°C

■ Initial Electrical/Optical Characteristics (Tc=25℃)

Parameter		Symbol	Test Condition	Min	Typ	Max	Unit
Optical Output Power		P_o	If = 2.4A	1.7	(2.1)	2.4	W
Dominant Wavelength		λ_d	If = 2.4A	519	(525)	531	nm
Threshold Current		I_{th}	CW	170	-	450	mA
Operating Voltage		V_{op}	If = 2.4A	3.7	-	5.4	V
Slope Efficiency		η	CW	-	(2.6)	-	W/A
Beam Divergence*	Parallel	Θ//	If = 2.4A	5	(11)	25	。
	Perpendicular	θ⊥	If = 2.4A	30	(42)	50	。

()are reference figures.

*Full angle at $1/e^2$ from peak intensity

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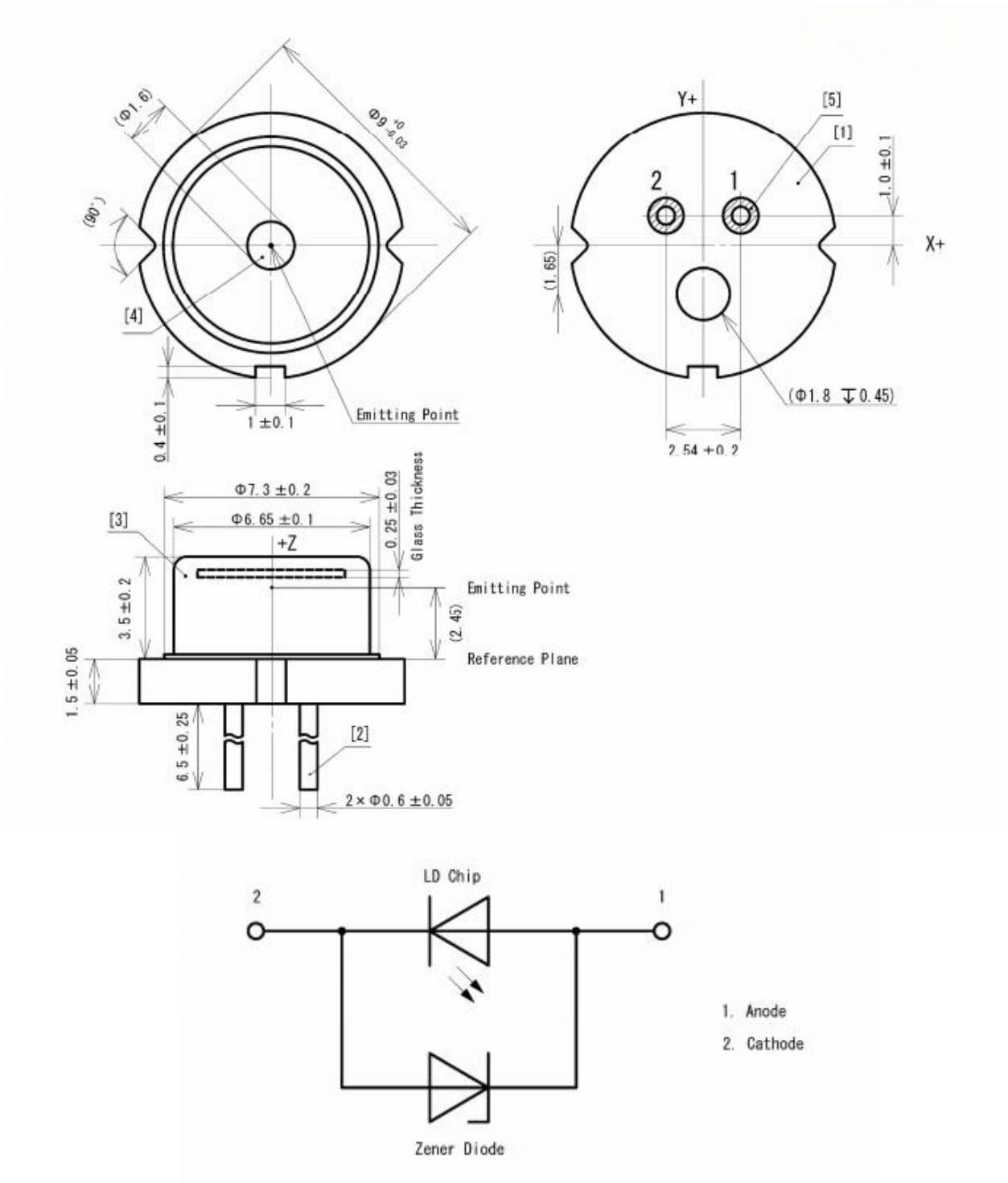
■ Outline Dimension（Unit: mm）



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