Laser Diode ZBD-LD-525-2300M-FX-MC

ZBD-LD-525-2300M-FX-MC is a multimode laser diode with 2.3 W CW output power at 525nm. Its beam pattern is linear with 11° × 1° (θ// • θ⊥). It is supplied in a 9mm floating mounted TO can with Zener Diode. The laser diode is suitable for 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	1.9	(2.3)	2.7	W
Dominant Wavelength		λ_d	If = 2.4A	519	(525)	531	nm
Threshold Current		I_{th}	CW	140	-	420	mA
Operating Voltage		V_{op}	If = 2.4A	3.8	-	4.8	V
Slope Efficiency		η	CW	-	(1.1)	-	W/A
Beam Divergence*	Parallel	Θ//	If = 2.4A	5	(11)	25	。
	Perpendicular	θ⊥	If = 2.4A	0.8	(1)	1.2	。

()are reference figures.

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

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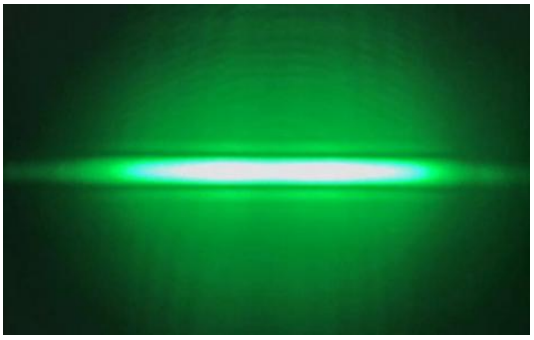
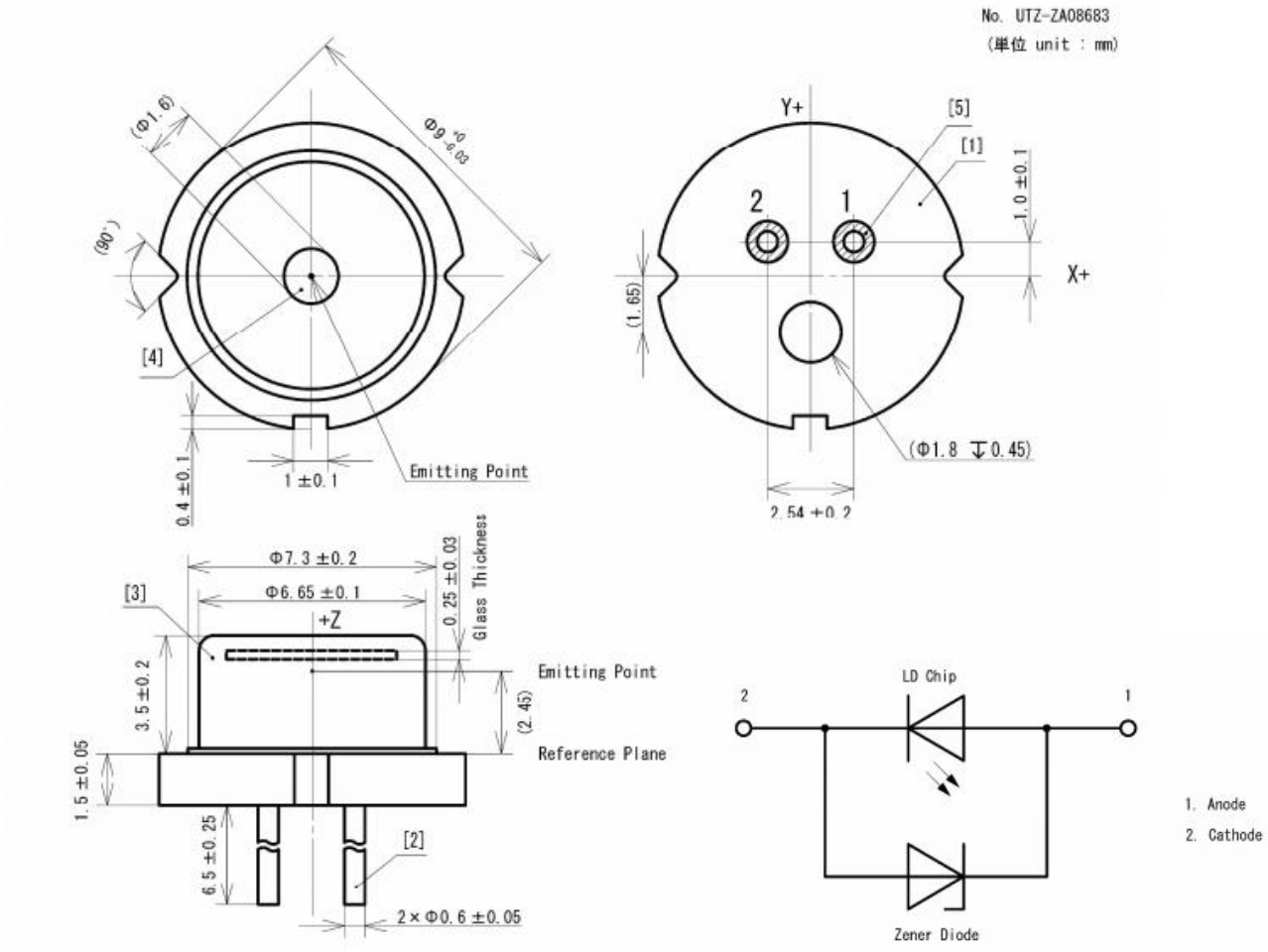
■ Beam Pattern



■ Outline Dimension（Unit: mm）



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