



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

ZBD-LD-525-2300M-MC is a multimode laser diode with 2.3 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°C)	I _f	2.6	A
Revers Current(Tc=25°C)	I _r (LD)	85	mA
Storage Temperature	T _{stg}	-40~85	°C
Operating Case Temperature	T _c	0~55	°C

■ Initial Electrical/Optical Characteristics (Tc=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit	
Optical Output Power	P _o	I _f = 2.4A	1.9	(2.3)	2.7	W	
Dominant Wavelength	λ _d	I _f = 2.4A	519	(525)	531	nm	
Threshold Current	I _{th}	CW	140	-	420	mA	
Operating Voltage	V _{op}	I _f = 2.4A	3.8	-	4.8	V	
Slope Efficiency	η	CW	-	(1.1)	-	W/A	
Beam Divergence*	Parallel	Θ//	I _f = 2.4A	5	(11)	25	°
	Perpendicular	θ⊥	I _f = 2.4A	30	(42)	50	°

(°)are reference figures.

*Full angle at 1/e² from peak intensity

■ Outline Dimension (Unit: mm)

No. UTZ-ZA08683
(单位 unit : mm)

