



Laser Diode ZBD-LD-520-300M-F23086



ZBD-LD-520-300M-F23086 is a multimode laser diode with 300 mW CW output power at 520nm. Its beam pattern is linear with $23^\circ \times 0.86^\circ$ ($\theta_{//} \cdot \theta_{\perp}$). It is supplied in a 5.6mm floating mounted TO-CAN package. The laser diode is suitable for opto-electronic applications.

■ Absolute Maximum Ratings

Parameter	Symbol	Conditions	Value	Unit
Operating Current (CW)	I _{op}	—	850	mA
Reverse Voltage (T _c =25°C)	V _{r_LD}	—	2	V
Storage Temperature	T _{stg}	—	0 ~ +60	°C
Operating Case Temperature	T _c	CW	-40 ~ +85	°C

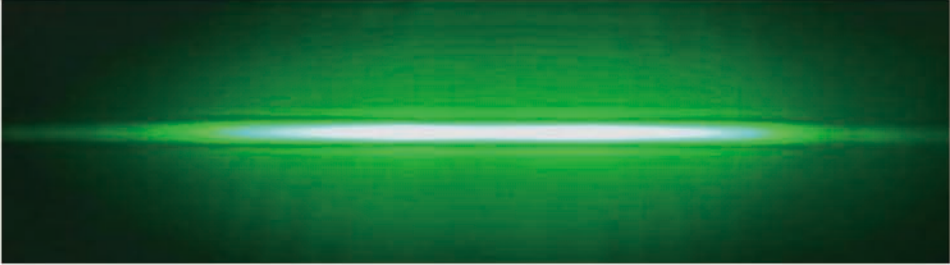
■ Initial Electrical/Optical Characteristics (T_c=25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Threshold Current	I _{th}	P _o =300mW	—	100	400	mA
Operating Current	I _{op}		—	500	840	mA
Operating Voltage	V _{op}		—	5.2	6.3	V
Peak Wavelength	λ _p		510	520	530	nm
Beam Divergence*	Parallel		θ _{//}	17	23	29
	Perpendicular	θ _⊥	0.76	0.86	0.96	°

* θ_{//} and θ_⊥ are defined as the angle within which the intensity is 50% of the peak value.



■ Beam Pattern



■ Outline Dimension (Unit: mm)

