

780nm Compact Laser Diode Modules Key features

Wavelength: 780nm

Light Output: 200mW CW (Push 350mW)

Package Type: TO-18(Φ 5.6mm)



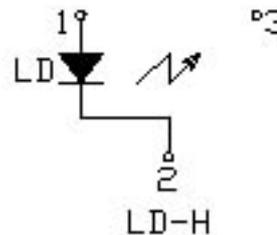
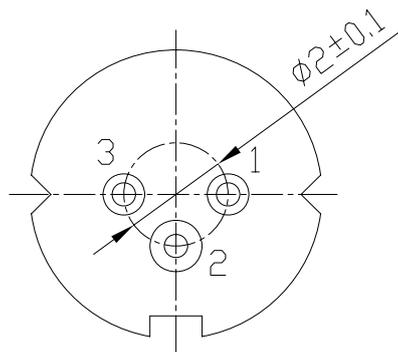
SS-D6-7-780-200

■ Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbols	Ratings	Units
Optical Output	Po(CW)	200	mW
	Po(Push)	350	mW
Reverse Voltage	Vr	2	V
Operating Temperature	Top	-10 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +80	°C

Push Width 0.1us , Duty50%

■ Electrical Connection



■ Electrical and optical Characteristics(Tc=25°C)

Parameter	Symbols	Conditions	Min	Typ	Max	Units	
Threshold Current	Ith	-	-	55	70	mA	
Operating Current	Iop	Po=200mW	-	220	260	mA	
Operating Voltage	Vop	Po=200mW	-	2.0	2.3	Volts	
Slope Efficiency	η	-	0.8	1.0	-	mW/mA	
Beam Divergence (FWHM)	Parallel	$\theta \parallel$	Po=200mW	8	10	12	deg
	Perpendicular	$\theta \perp$	Po=200mW	16	20	22	deg
Parallel Deviation Angle	$\Delta \theta \parallel$	Po=200mW	-2	-	2	deg	
Perpendicular Deviation Angle	$\Delta \theta \perp$	Po=200mW	-2	-	2	deg	
Emission Point Accuracy	$\Delta X, \Delta Y, \Delta Z$	Po=200mW	-80	-	80	um	
Lasing Wavelength	λ_p	Po=200mW	775	780	795	nm	

Im is sorting by custom's need

© © $\theta \parallel$ and $\theta \perp$ are defined as the angle within which the intensity is 50% of the peak value

