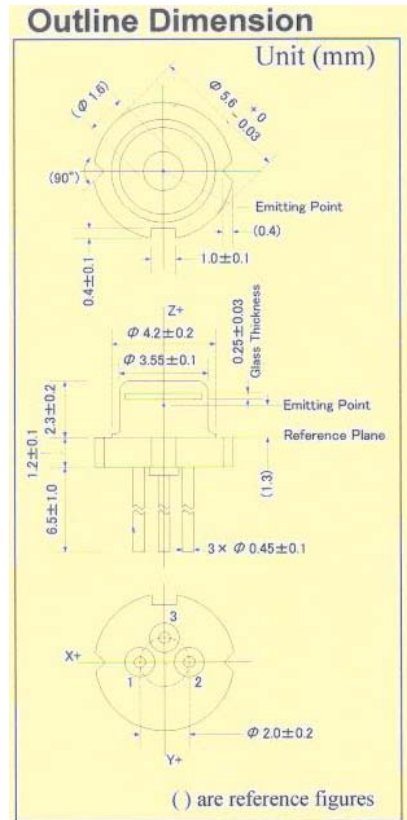
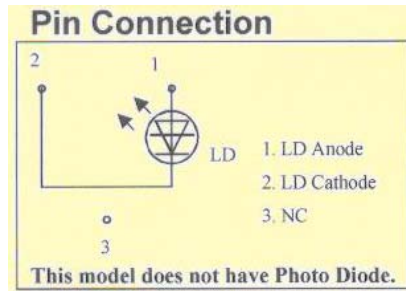




LD405-200-1

● Specifications:

Wavelength: 405nm
 Power: 200mW CW
 Package: TO18



● Absolute Maximum Ratings(T_c=25°C):

Parameter	Symbols	Ratings	Units
Optical Output Power	P _{oc}	250	mW
Reverse Voltage	V _r	5	V
Operation Temperature	T _{op}	0~+30	°C
Storage Temperature	T _{stg}	-35~+85	°C

● Electrical and Optical Characteristics(T_c=25°C):

Parameter	Symbols	Condition	Min.	Typ.	Max.	Unit	
Output Power	P _o	CW	-	-	200	mW	
Lasing Wavelength	λ _p	P _o =200mW	400	405	410	nm	
Operating Current	I _{op}	P _o =200mW	-	230	270	mA	
Operating voltage	V _{op}	P _o =200mW	-	4.1	4.6	V	
Threshold Current	I _{th}	CW	-	100	130	mA	
Slope Efficiency	η	CW	1.0	1.5	2.0	mW/mA	
Beam ¹⁾ Divergence	Parallel	θ _∥	P _o =200mW	8	16	26	deg.
	Perpendicular	θ _⊥	P _o =200mW	35	42	55	deg.
Emission Point Accuracy	Angle	Δθ _⊥	P _o =200mW	-	-	+/-5	deg.

1) Full angle at half Maximum