



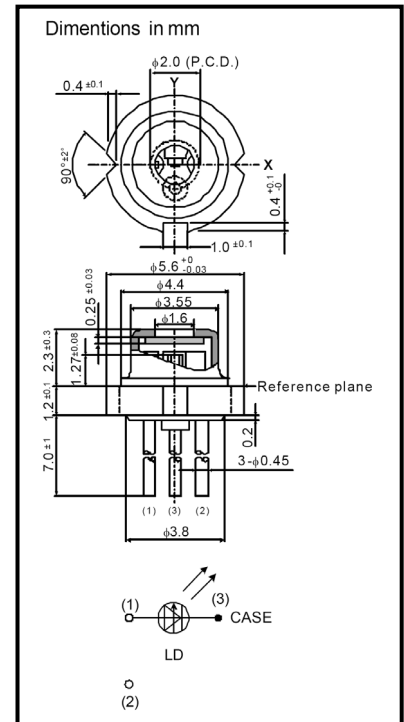
## LD658-80-1

### ●Specifications:

Wavelength: 658nm  
 Power: 80mW CW  
 200mW Pulse  
 Package: TO18

### ●Absolute Maximum Ratings( $T_c=25^\circ\text{C}$ ):

Parameter		Symbols	Ratings	Units
Light Output	CW	$P_o$	100	mW
	Pulse		200	mW
Reverse Voltage	Laser	$V_r$	2	V
Operation Temperature		$T_{op}$	-10~+50	$^\circ\text{C}$
Storage Temperature		$T_{stg}$	-40~+80	$^\circ\text{C}$



### ●Electrical and Optical Characteristics( $T_c=25^\circ\text{C}$ ):

Parameter		Symbols	Condition	Min.	Typ.	Max.	Unit
Lasing Wavelength		$\lambda_p$	CW $P_o=80\text{mW}$	654	658	662	nm
Threshold Current		$I_{th}$	CW	-	65	-	mA
Operating Current		$I_{op}$	CW $P_o=80\text{mW}$	-	150	-	mA
Operating voltage		$V_{op}$	CW $P_o=80\text{mW}$	-	2.4	3.0	V
Beam <sup>1)</sup> Divergence	Parallel	$\theta_{//}$	CW $P_o=80\text{mW}$	7	9.5	12	deg.
	Perpendicular	$\theta_{\perp}$	CW $P_o=80\text{mW}$	14	17	20	deg.
Slope Efficiency		$\eta$	-	-	0.95	-	mW/mA

1) Full angle at half Maximum

