



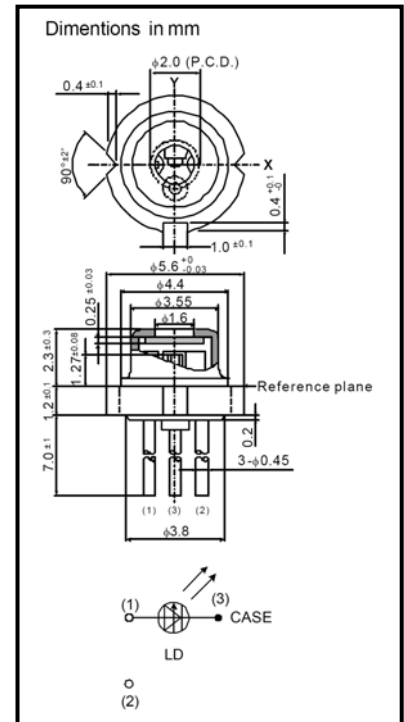
LD658-100-1

●Specifications:

Wavelength: 658nm
 Power: 100mW CW
 250mW Pulse
 Package: TO18

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

Parameter		Symbols	Ratings	Units
Light Output	CW	P_o	100	mW
	Pulse		250	mW
Reverse Voltage	Laser	V_r	2	V
Operation Temperature		T_{op}	-10~+75	$^\circ\text{C}$
Storage Temperature		T_{stg}	-40~+100	$^\circ\text{C}$



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

Parameter		Symbols	Condition	Min.	Typ.	Max.	Unit
Lasing Wavelength		λ_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 ¹⁾ Divergence	Parallel	$\theta_{//}$	CW $P_o=80\text{mW}$	7	9.5	12	deg.
	Perpendicular	θ_{\perp}	CW $P_o=80\text{mW}$	14	17	20	deg.
Slope Efficiency		η	-	-	0.95	-	mW/mA

1) Full angle at half Maximum