



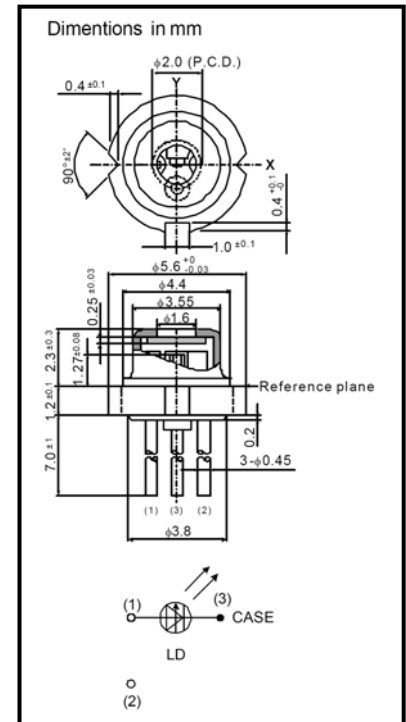
LD660-40-1

●Specifications:

Wavelength: 658nm
 Power: 40mW CW
 60mW Pulse
 Package: TO18

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

Parameter		Symbols	Ratings	Units
Light Output	CW	P_o	45	mW
	Pulse		60	mW
Reverse Voltage	Laser	V_r	2	V
Operation Temperature		T_{op}	-10~+60	$^\circ\text{C}$
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 $P_o=40\text{mW}$	655	660	666	nm
Threshold Current		I_{th}	CW	-	57	-	mA
Operating Current		I_{op}	CW $P_o=40\text{mW}$	-	117	-	mA
Operating voltage		V_{op}	CW $P_o=40\text{mW}$	-	2.5	3.0	V
Beam ¹⁾ Divergence	Parallel	$\theta_{//}$	CW $P_o=40\text{mW}$	-	8.5	-	deg.
	Perpendicular	θ_{\perp}	CW $P_o=40\text{mW}$	-	22	-	deg.
Slope Efficiency		η	-	-	0.67	-	mW/mA

1) Full angle at half Maximum