



LD660-100-1

● Specifications:

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

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

Parameter		Symbols	Ratings	Units
Light Output	CW	P_o	110	mW
Reverse Voltage	Laser	V_r	2	V
	PD	$V_r(\text{PIN})$	30	V
Operation Temperature		T_{op}	-10~+60	$^\circ\text{C}$
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		λ_p	$P_o=100\text{mW}$	655	660	668	nm
Threshold Current		I_{th}	CW	-	55	65	mA
Operating Current		I_{op}	$P_o=100\text{mW}$	-	155	165	mA
Operating voltage		V_{op}	$P_o=100\text{mW}$	-	2.5	2.8	V
Monitoring Output Current		I_m	$P_o=100\text{mW}$	0.1	0.4	0.8	mA
Beam ¹⁾ Divergence	Parallel	$\theta_{//}$	$P_o=100\text{mW}$	7	9	10	deg.
	Perpendicular	θ_{\perp}	$P_o=100\text{mW}$	15	19	22	deg.
Off Axis Angle	Parallel	$\Delta\theta_{//}$	$P_o=100\text{mW}$	-3	-	3	deg.
	Perpendicular	$\Delta\theta_{\perp}$	$P_o=100\text{mW}$	-3	-	3	deg.
Slope Efficiency		η	-	0.8	1.0	1.2	mW/mA

1) Full angle at half Maximum

