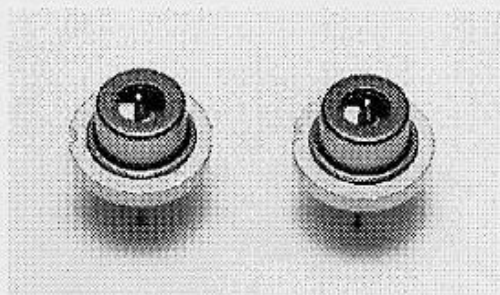


■ Applications

Laser Radar
Range Finder
Excitation Light Source



■ ABSOLUTE MAXIMUM RATINGS ($T_c=25^{\circ}\text{C}$)

Characteristics	Symbols	Ratings	Units
Pulsed Forward Current	IFP	25	A
Reverse Voltage	VR	2	V
Pulsed Radiant Output Power	Φ_{ep}	30	W
Pulse Duration	tw	100	ns
Duty Ratio	DR	0.075	%
Operating Temperature	TOP	-30 to +85	$^{\circ}\text{C}$
Storage Temperature	Tstg	-40 to +125	$^{\circ}\text{C}$

■ CHARACTERISTICS ($T_c=25^{\circ}\text{C}$)

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Pulsed Radiant Power	Φ_{ep}	IFP=18A	17	20	-	W
Peak Emission Wavelength	λ_p		-	870	-	nm
Spectral Radiation Bandwidth	$\Delta\lambda$	FWHM	-	4	-	nm
Forward Voltage	VF	IFP=18A	-	6	-	V
Rise Time	tr		-	-	0.5	ns
Beam Spread Angle	Parallel	IFP=18A	8	10	13	deg
	Vertical	FWHM	27	30	35	deg
Threshold Current	Ith		-	0.6	-	A

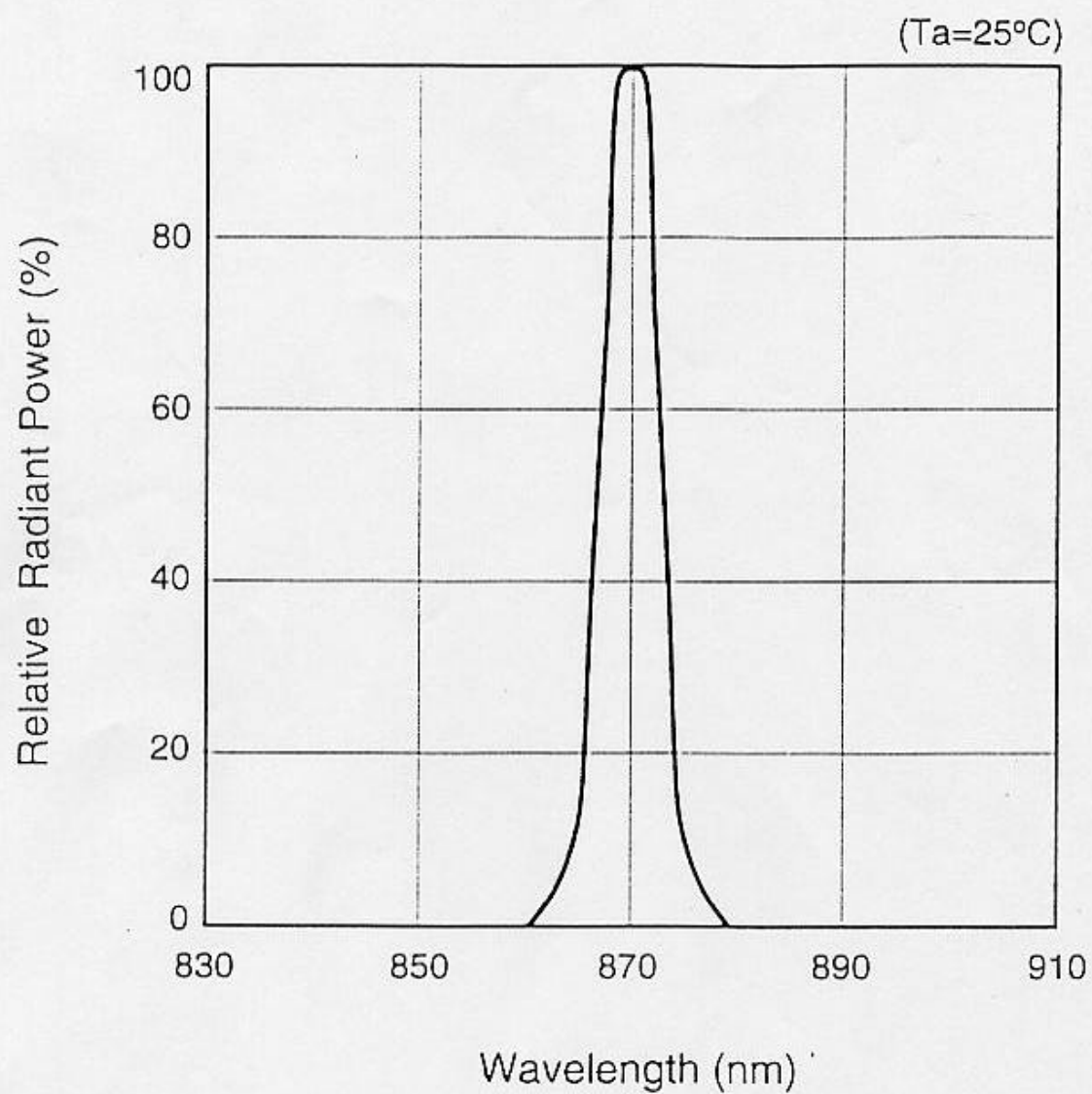
■ PACKAGE DIMENSIONS (unit : mm) 9 ϕ CD

(See attached sheet 1)

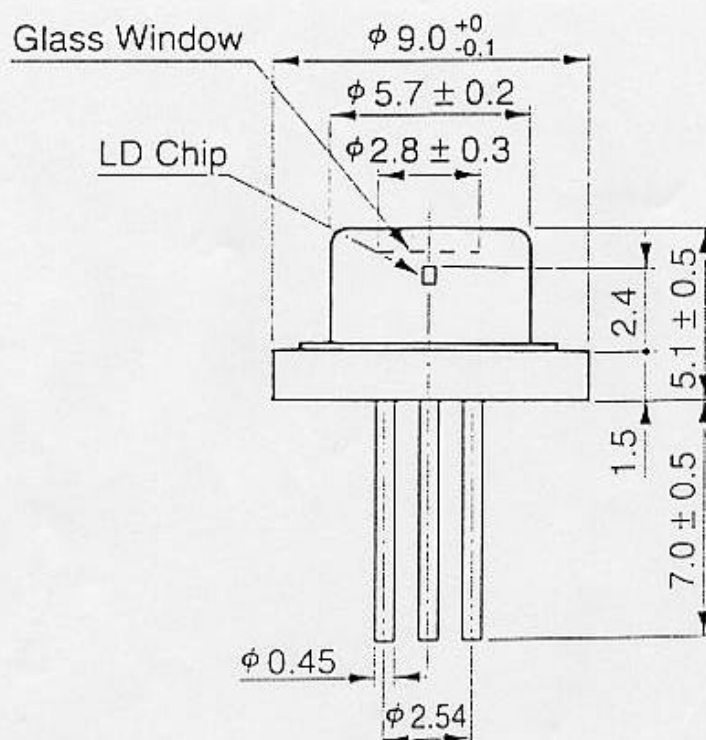
■ TYPICAL EMISSION SPECTRUM

(See attached sheet 2)

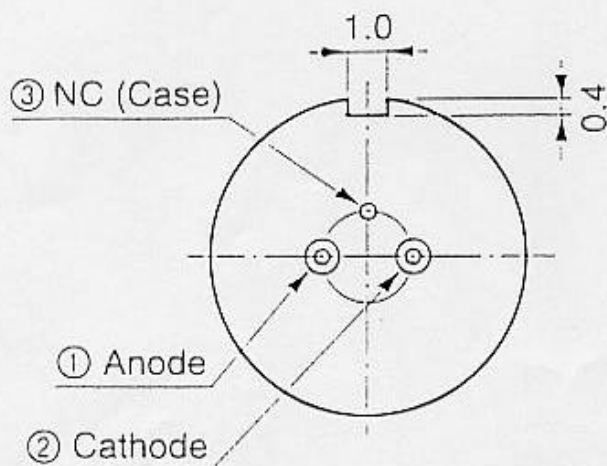
■ TYPICAL EMISSION SPECTRUM



■ DIMENSIONAL OUTLINE (Unit:mm)



Side View



Bottom View

(Pin Connection)



① Anode
② Cathode