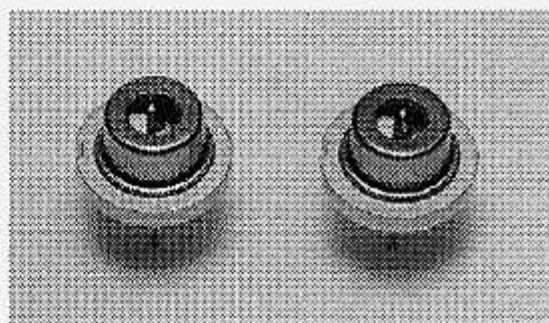


■ Applications

Manufacturing
Medical System
Solid State Laser Pumping



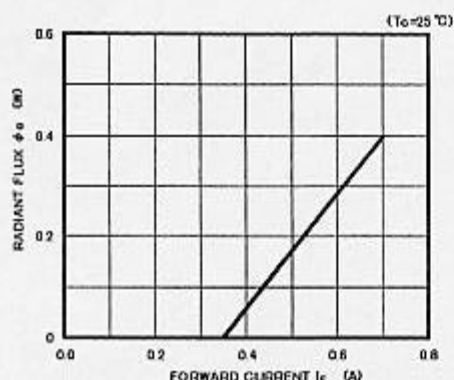
■ ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

Characteristics	Symbols	Ratings	Units
Radiant Flux	ϕ_e	0.4	W
Reverse Voltage	V_R	2	V
Case Operating Temperature	T_{op}	-20 to +30	°C
Storage Temperature	T_{stg}	-40 to +80	°C

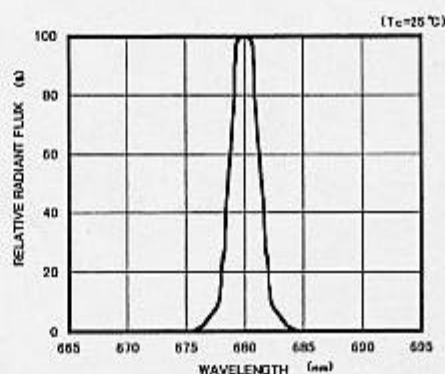
■ OPTICAL CHARACTERISTICS (T_c=25°C)

Characteristics		Symbols	Test Conditions	Min.	Typ.	Max.	Units
Radiant Flux		ϕ_e	$I_F=0.6A$	-	0.3	-	W
Threshold Current		I_{th}		0.25	0.35	0.45	A
Peak Emission Wavelength		λ_p	$I_F=0.6A$	670	680	690	nm
Spectral Radiation Bandwidth		$\Delta \lambda$	FWHM	-	3	-	nm
Forward Voltage		V_F	$I_F=0.6A$	-	2.2	2.6	V
Beam Spread Angle	Parallel	$\theta_{ }$	$I_F=0.6A$ FWHM	-	8	-	deg
	Vertical	$\theta_{\perp}$		-	30	-	deg
Stripe Width		S_w	-	-	200	-	μm

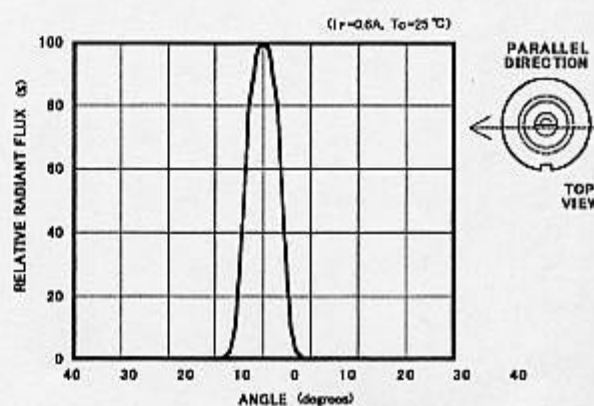
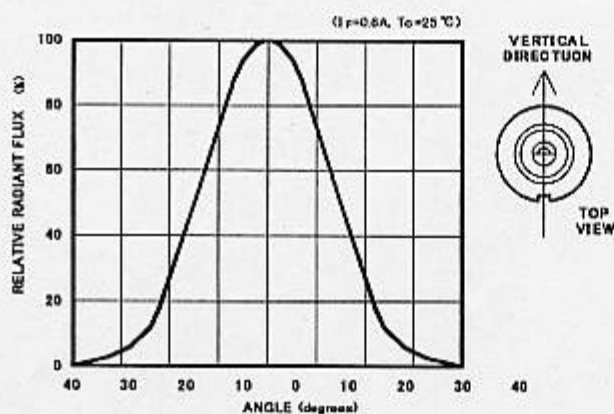
■ Typical Radiant Flux v.s. Forward current



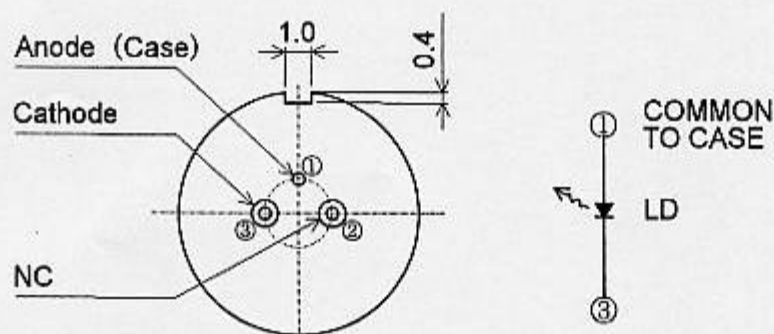
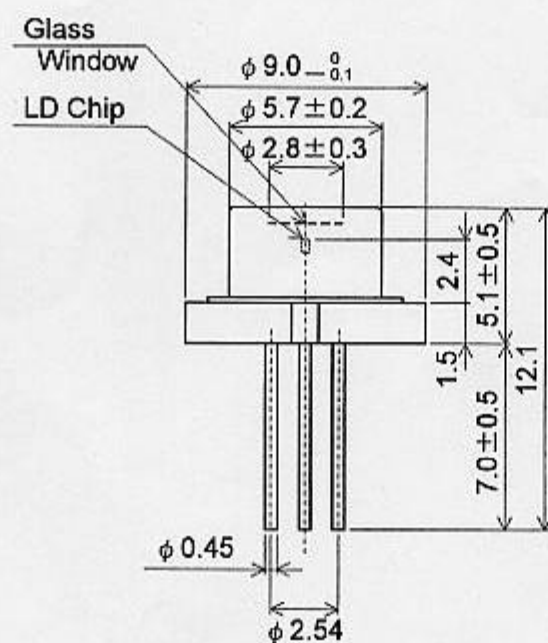
■ Typical Emission Spectrum



■ Typical Directivity



■ Package Dimensions (unit : mm)



HAMAMATSU