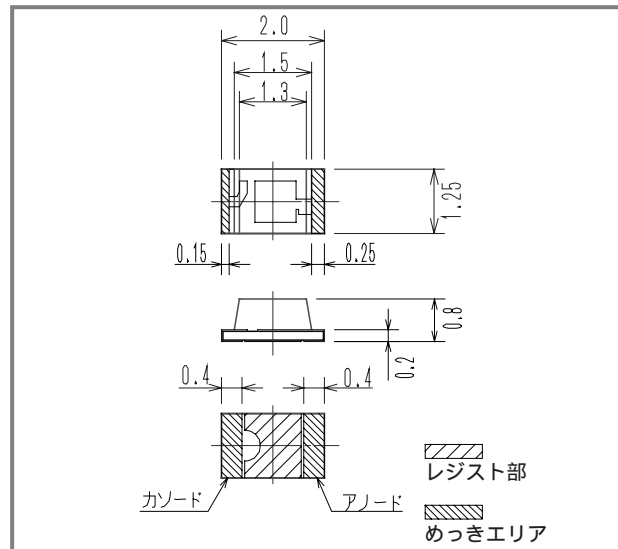


Features

- 660nm AlGaInP Red LED mounted compact package
- Transparent epoxy mold
- SMD type package

Applications

- Optical instruments

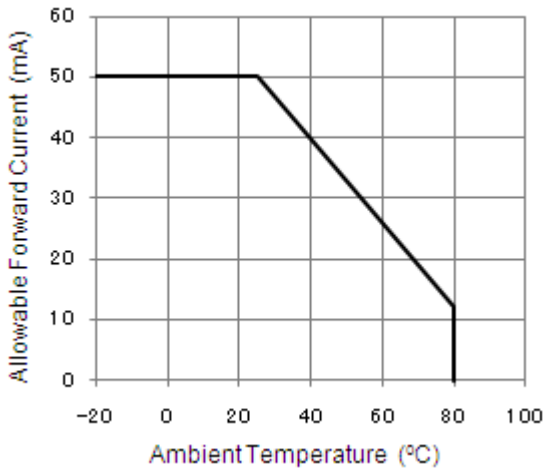
Dimensions (Unit: mm)**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit	Note
Forward current	I_F	50	mA	$T_a=25^\circ\text{C}$
Peak forward current	I_{FP}	0.5	A	Pulse width=100 μs , Duty ratio=0.1%
Reverse voltage	V_R	5	V	
Power dissipation	P_D	135	mW	
Operating temperature	T_{opr}	-20 to +80	$^\circ\text{C}$	Avoid dew condensation
Storage temperature	T_{stg}	-25 to +100	$^\circ\text{C}$	Avoid dew condensation

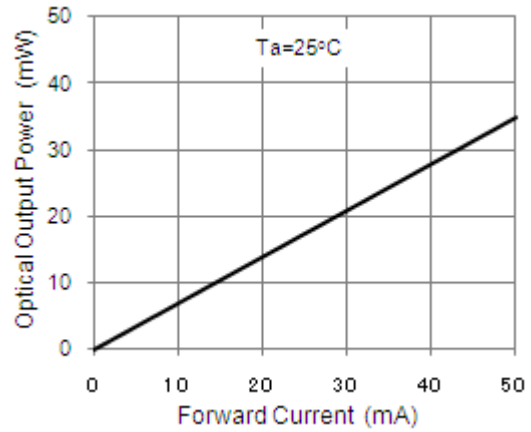
Electrical and Optical Characteristics ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max	Unit	Test Conditions
Forward voltage	V_F	-	2.0	2.7	V	$I_F=20\text{mA}$
Reverse current	I_R	-	-	10	μA	$V_R=5\text{V}$
Optical output power	P_o	-	14.0	-	mW	$I_F=20\text{mA}$
Peak emission wavelength	λ_p	650	660	670	nm	$I_F=20\text{mA}$
Spectral bandwidth at 50%	$\Delta\lambda$	-	20	-	nm	$I_F=20\text{mA}$
Half angle	2θ	-	145	-	deg	$I_F=20\text{mA}$

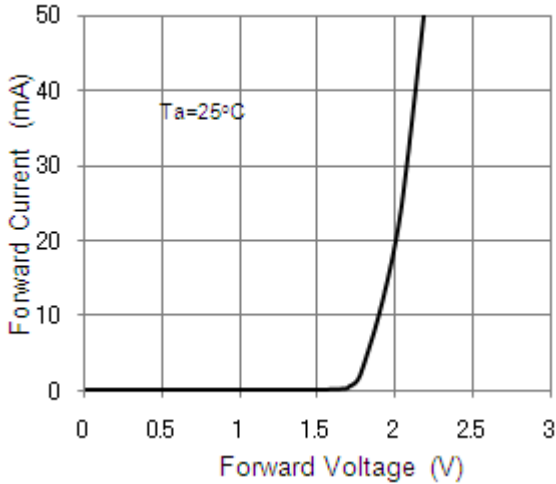
Allowable Forward Current – Ambient temperature



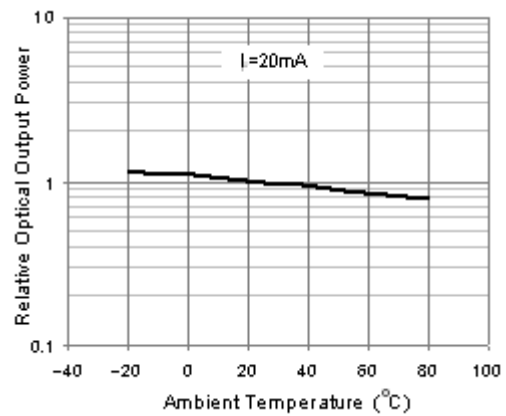
Optical Output Power – Forward Current (Ta=25°C)



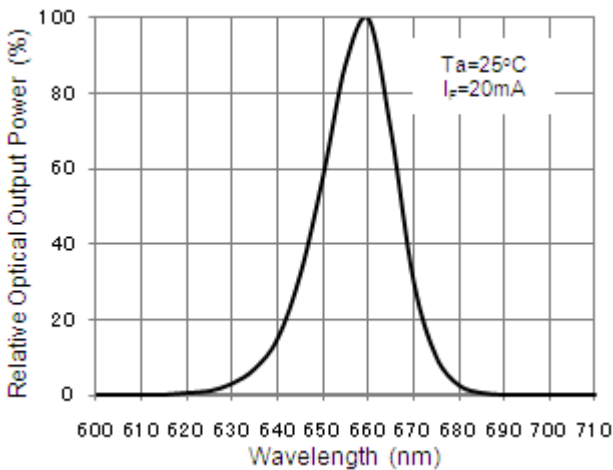
Forward Current – Forward Voltage (Ta=25°C)



Relative Optical Output Power – Ambient Temperature



Spectral Distribution (Ta=25°C, If=20mA)



Directivity (Ta=25°C)

