

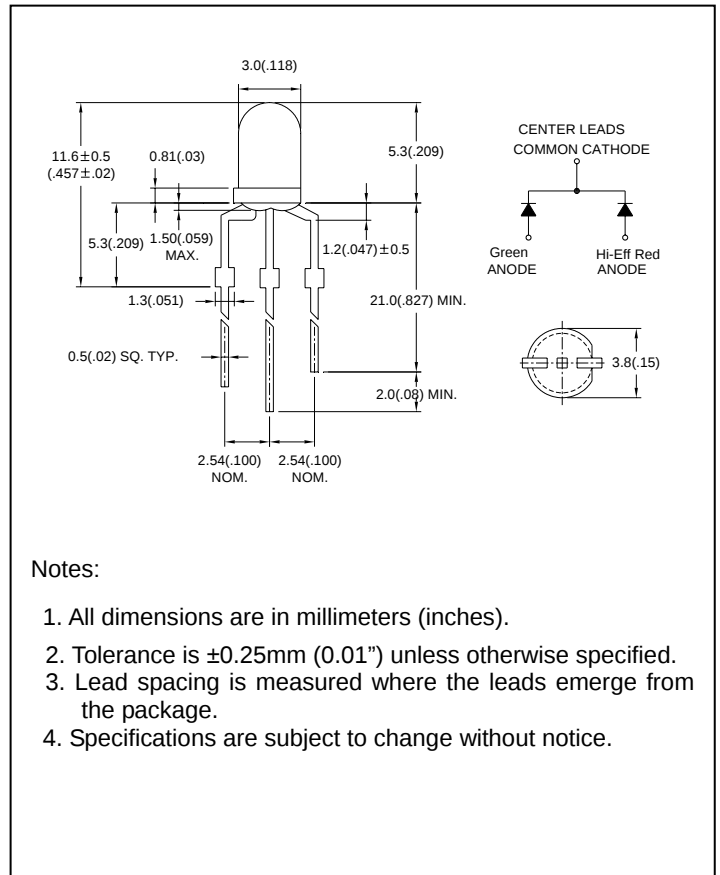
● Features:

1. Chip material: GaP/GaP(Green)
and GaAsP/GaP(Red)
2. Emitted color : Green and Hi-Eff Red
3. Lens Appearance : White Diffused
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 3mm diameter package.
9. This product don't contained restriction substance, compliance ROHS standard.

● Applications:

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● Package dimensions:



● Absolute Maximum Ratings(Ta=25°C)

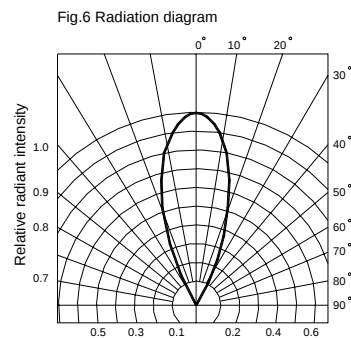
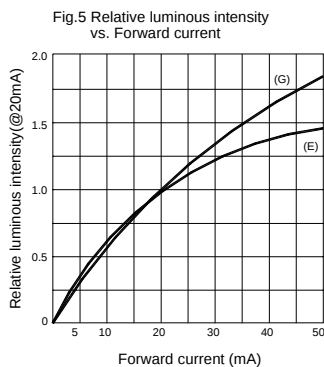
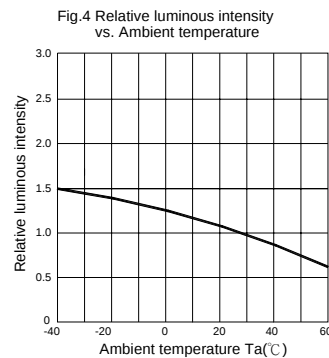
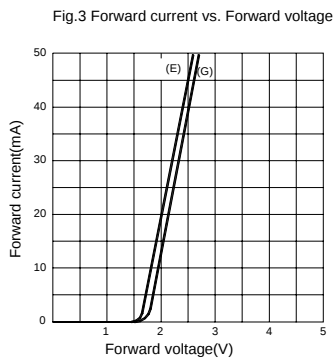
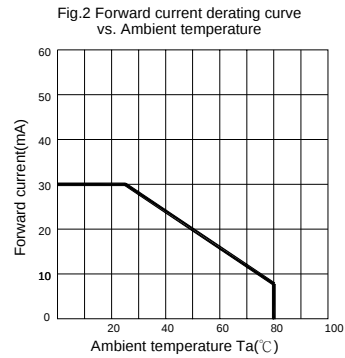
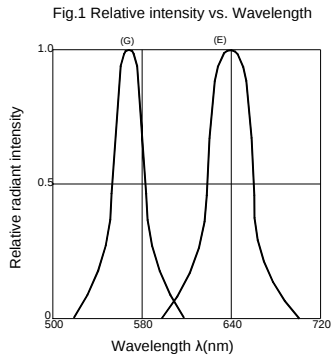
Parameter	Symbol	Green	Red	Unit
Power Dissipation	Pd	80	80	mW
Forward Current	I _F	30	30	mA
Peak Forward Current* ¹	I _{FP}	150	150	mA
Reverse Voltage	V _R	5		V
Operating Temperature	Topr	-40°C~80°C		
Storage Temperature	Tstg	-40°C~85°C		
Soldering Temperature	Tsol	260°C (for 5 seconds)		

*¹Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

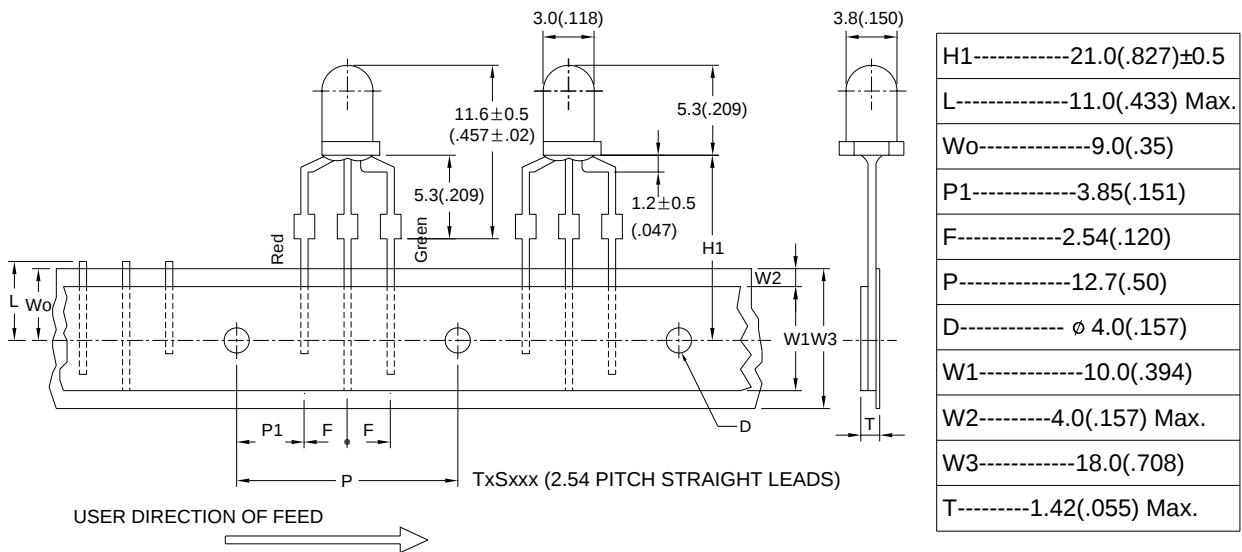
Electrical and optical characteristics(Ta=25°C)

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	Green Red	-	2.1 2.0	2.6 2.6	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	Green Red	-	35 35	-	mcd
Reverse Current	I_R	$V_R=5\text{V}$	Green Red	-	-	100	μA
Peak Wave Length	λ_p	$I_F=20\text{mA}$	Green Red	-	568 640	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	Green Red	560 617	-	576 638	nm
Spectral Line Half-width	$\Delta\lambda$	$I_F=20\text{mA}$	Green Red	-	30 40	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	Green Red	-	40	-	deg

Typical Electro-Optical Characteristics Curves



Tapping and packaging specifications(Units: mm)



Notes: 1.All dimensions are in millimeter (inch).

2.Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise specified.

3. Lead spacing is measured where the leads emerge from the package.