

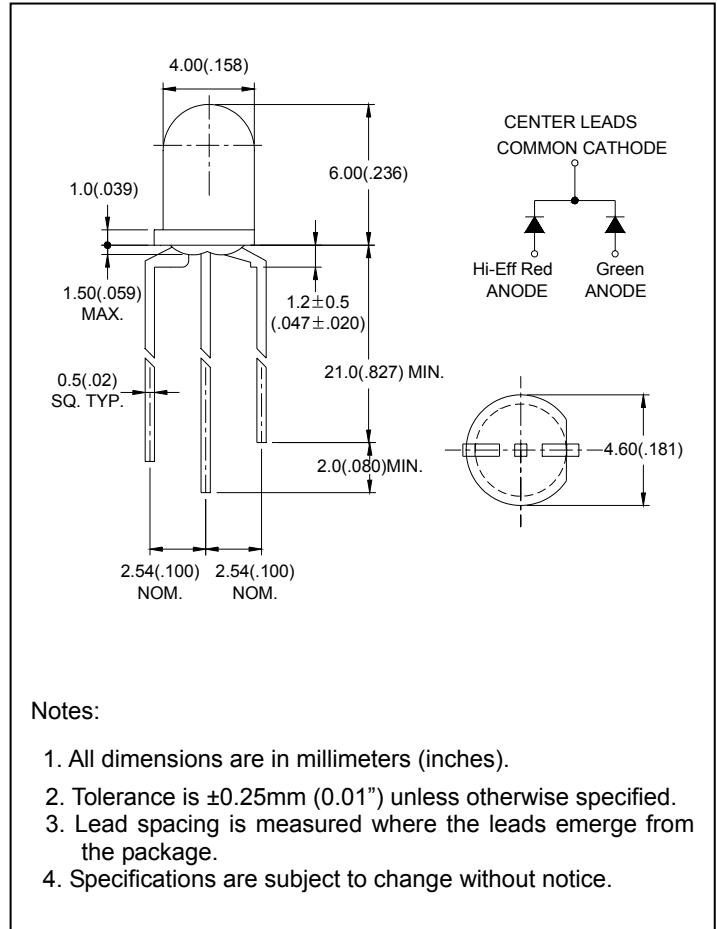
● Features:

1. Chip material: GaAsP/GaP (Red)
and GaP/GaP (Green)
2. Emitted color : Hi-Eff Red and Green
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. 4mm 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	Hi-Eff Red	Green	Unit
Power Dissipation	P _d	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	T _{opr}	-40°C~80°C		
Storage Temperature	T _{stg}	-40°C~85°C		
Soldering Temperature	T _{sol}	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	$I_F=20\text{mA}$	Red Green	-	2.0 2.2	2.6 2.6	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	Red Green	-	55 60	-	mcd
Reverse Current	I_R	$V_R=5\text{V}$	Red Green	-	-	100	μA
Peak Wave Length	λ_p	$I_F=20\text{mA}$	Red Green	-	640 568	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	Red Green	617 560	- -	638 576	nm
Spectral Line Half-width	$\Delta \lambda$	$I_F=20\text{mA}$	Red Green	-	45 30	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	Red Green	-	60	-	deg

Typical Electro-Optical Characteristics Curves

