

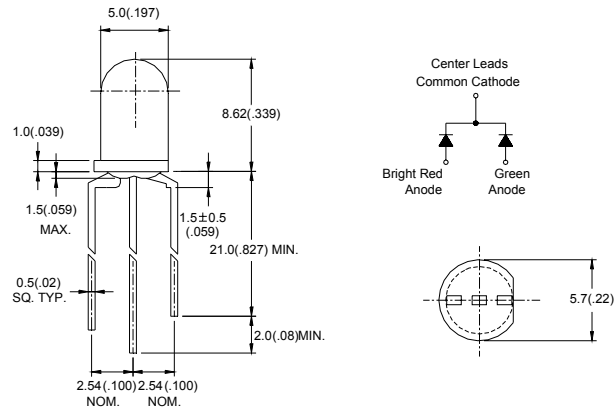
● Features:

1. Chip material: GaP/GaP
2. Emitted color : Bright 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. T-1 3/4 type 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:



Notes:

1. All dimensions are in millimeters (inches).
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.
4. Specifications are subject to change without notice.

● Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Super red	Super green	Unit
Power Dissipation	Pd	40	80	mW
Forward Current	I _F	15	30	mA
Peak Forward Current* ¹	I _{FP}	50	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)		

*¹ Condition 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 2.3	2.4 2.6	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	Red Green	-	8.0 45	-	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	-	700 568	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	Red Green	- 560	650 -	- 576	nm
Spectral Line Half-width	$\Delta\lambda$	$I_F=20\text{mA}$	Red Green	-	100 15	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	Red Green	-	50	-	deg

Typical Electro-Optical Characteristics Curves

