

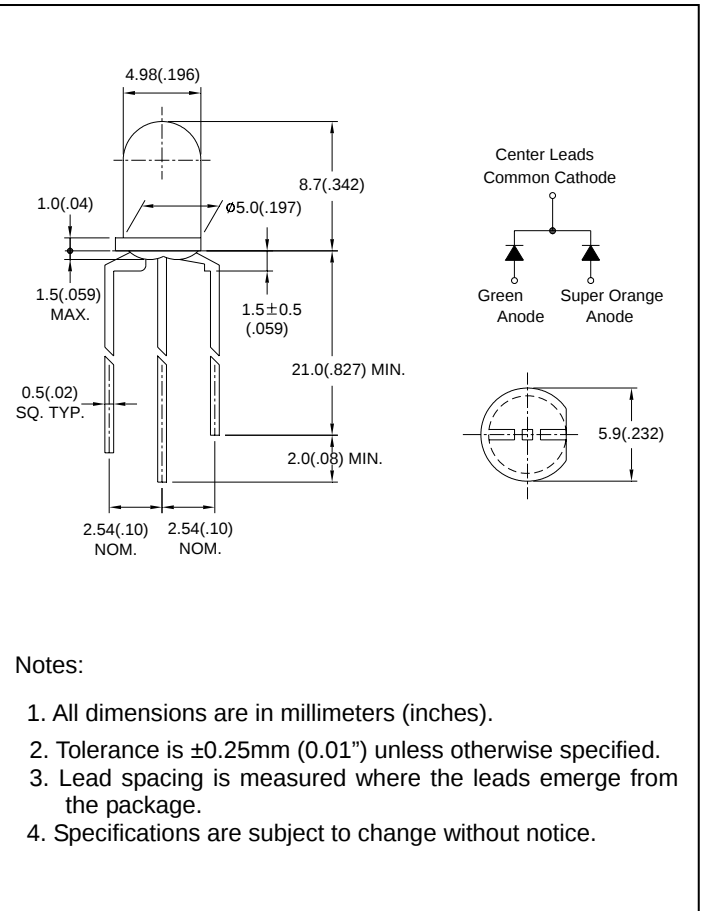
● Features:

1. Chip material: AlInGaN (Green) and AlGaInP/Si (Orange)
2. Emitted color : Green and Super Orange
3. Lens Appearance : Water Clear
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 5mm 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	Super Orange	Unit
Power Dissipation	Pd	120	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)		

^{*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	$I_F=20\text{mA}$	Green Orange	-	3.5 2.1	4.0 2.6	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	Green Orange	-	2000 2500	-	mcd
Reverse Current	I_R	$V_R=5\text{V}$	Green Orange	-	-	100	μA
Peak Wave Length	λ_p	$I_F=20\text{mA}$	Green Orange	-	525 630	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	Green Orange	520 619	- --	530 629	nm
Spectral Line Half-width	$\Delta\lambda$	$I_F=20\text{mA}$	Green Orange	-	30 20	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	Green Orange	-	20	-	deg

Typical Electro-Optical Characteristics Curves

