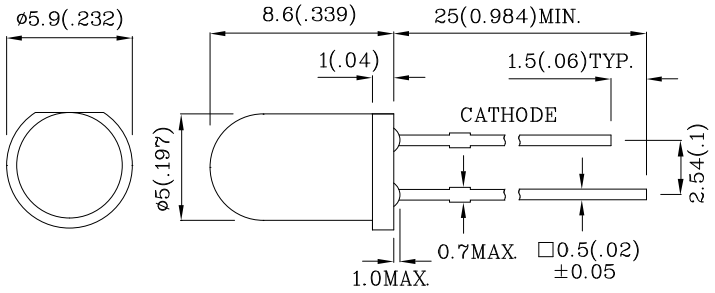
SunLED
www.SunLED.com

Part Number: **BUG53D**

T-1 3/4 (5mm) BLINKING LED LAMP

Features

- T-1 3/4 PACKAGE .
- WITH BUILT-IN BLINKING IC.
- OPERATION VOLTAGE FROM 3.5V TO 14V.
- BLINKING FREQUENCY FROM 3.0Hz TO 1.5Hz.
- RoHS COMPLIANT.



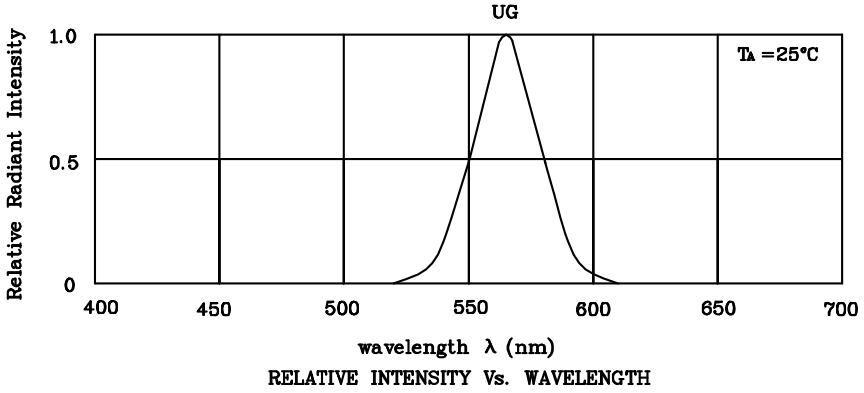
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.
3.Specifications are subject to change without notice.

Absolute maximum ratings (TA=25°C)		**UG (GaP)**	**Unit**
Reverse Voltage	VR	0.5	V
Forward Voltage	VF	14	V
Power Dissipation	PT	310	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

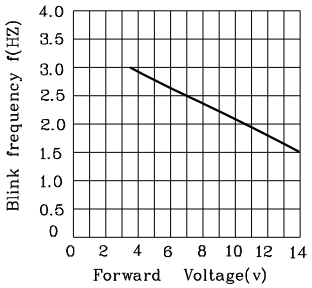
Operating Characteristics (TA=25°C)		**UG (GaP)**	**Unit**
Forward Current (Min.) (VF=3.5V)	IF	8	mA
Forward Current (Typ.) (VR=5V)	IF	22	mA
Supply Current (Typ.) (VF=3.5V)	ISON	8	mA
Supply Current (Typ.) (VF=14V)	ISON	44	mA
Blink Frequency (Min.~Max.) (VF=3.5V~14V)	f	1.5~3	Hz
Wavelength of Peak Emission (Typ.)	λ P	565	nm
Wavelength of Dominant Emission (Typ.)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.)	Δλ	30	nm

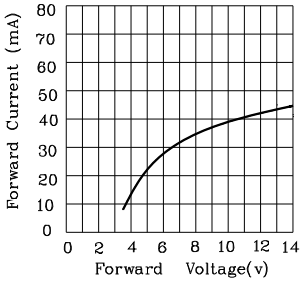
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V= 9V) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
BUG53D	Green	GaP	Green Diffused	5	19	565	60°

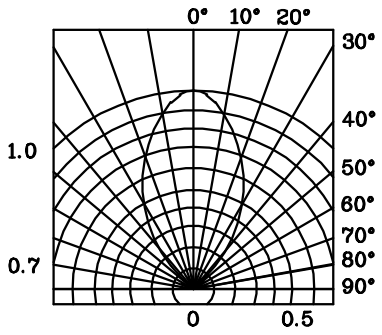


RELATIVE INTENSITY Vs. WAVELENGTH

❖ **UG**

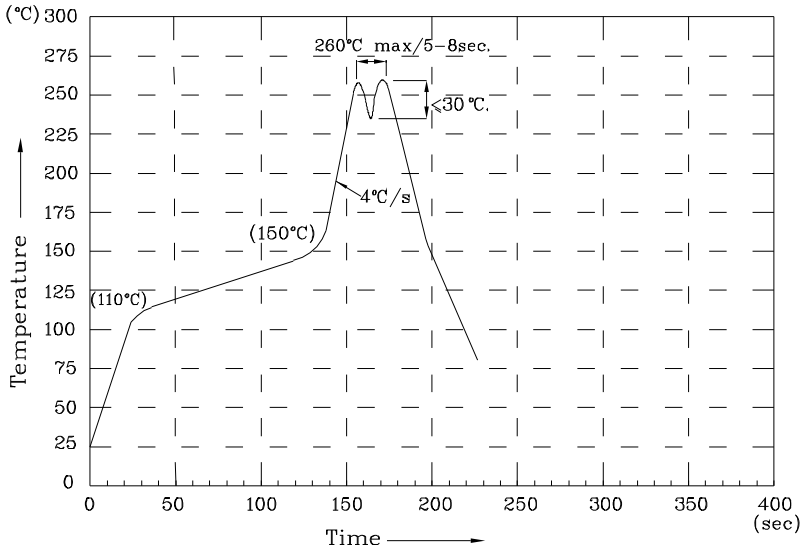






SPATIAL DISTRIBUTION

Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

1. Recommend the wave temperature 245℃~260℃.The maximum soldering temperature should be less than 260℃.
2. Do not apply stress on epoxy resins when temperature is over 85 degree℃.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

PACKING & LABEL SPECIFICATIONS **BUG53D**

