

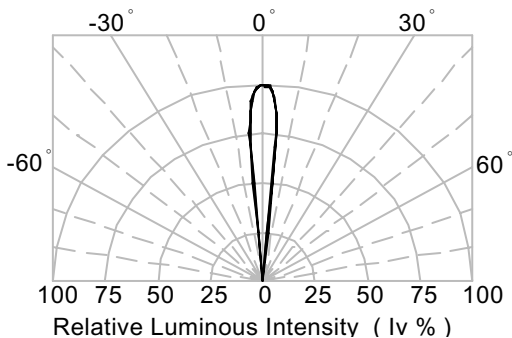


BVU-5E1UG4# BVT-5E1UG4#

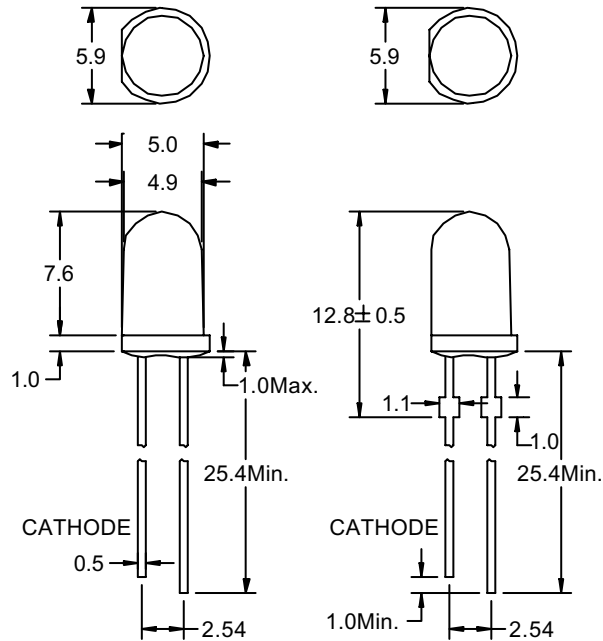
DESCRIPTION

Dice Material : AlGaInP/GaAs Yellow Green
Light Color : Yellow Green Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-5E1UG4# R

RADIATION PATTERN



PACKAGE CONFIGURATION



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT $T_a = 25^\circ\text{C}$

PARAMETER	MAX.	UNIT
Power Dissipation	80	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	160	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/°C
Operating Temperature Range	−40 °C to + 100 °C	
Storage Temperature Range	−40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 seconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT $T_a = 25^\circ\text{C}$

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _F	Forward Voltage	I _F = 20 mA		2.1	2.6	V
I _R	Reverse Current	V _R = 5V			100	μA
λ_p	Peak Emission Wavelength	I _F = 20 mA		575		nm
λ_d	Dominant Wavelength	I _F = 20 mA		572		nm
$2\theta_{1/2}$	Viewing Angle	I _F = 20 mA		15		Deg

BIN GRADE LIMITS (I_F = 20 mA) LUMINOUS INTENSITY / mcd

Device	☐ BVU-5E1UG4C			☐ BVU-5E1UG4D			☐ BVU-5E1UG4E			☐ BVU-5E1UG4F		
Bin	E	F	G	H	I	J	K	L	M	N	O	P
Min.	280	360	465	600	780	1000	1300	1680	2180	2800	3600	4650
Max.	360	465	600	780	1000	1300	1680	2180	2800	3600	4650	6000

Tolerance $\pm 15\%$ mcd

*Bright View reserves the rights to alter specifications and remove availability of products at any time without notice.

*Dominant Wavelength, λ_d is according to CIE Chromaticity Diagram base on color of lamps.

* $\theta_{1/2}$ is the off-axis angle where the luminous intensity is one half the on-axis intensity.