

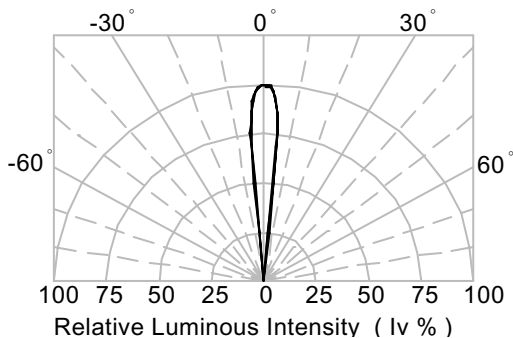


BVU-5E1ET4#
BVT-5E1ET4#

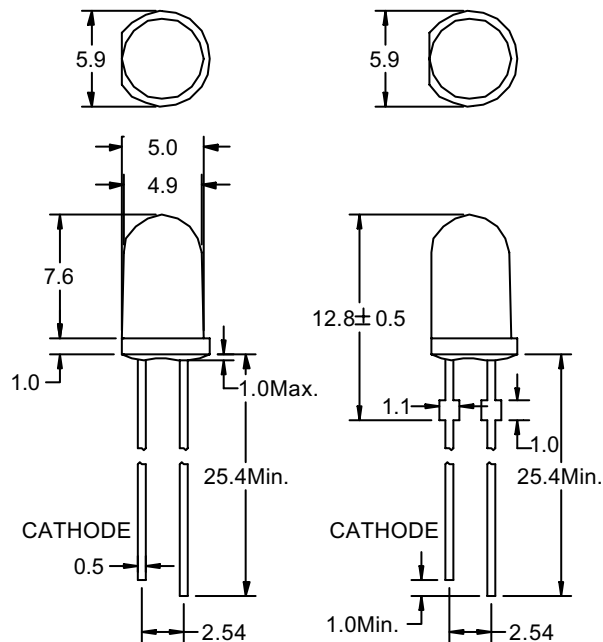
DESCRIPTION

Dice Material : AlInGaP/GaP Orange Red
Light Color : Orange Red Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-5E1ET4# R

RADIATION PATTERN



PACKAGE CONFIGURATION



Tolerance $\pm 0.25 \text{ mm}$

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	90	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 Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V F	Forward Voltage	I F = 20 mA		2.3	2.8	V
I R	Reverse Current	V R = 5V			100	μ A
λ p	Peak Emission Wavelength	I F = 20 mA		624		n m
λ d	Dominant Wavelength	I F = 20 mA		618		n m
2 θ 1/2	Viewing Angle	I F = 20 mA		15		Deg

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

Device	☐ BVU-5E1ET4D			☐ BVU-5E1ET4E			☐ BVU-5E1ET4F			☐ BVU-5E1ET4G		
Bin	L	M	N	O	P	Q	R	S	T	U	V	W
Min.	1680	2180	2800	3600	4650	6000	7800	10000	13000	16800	21800	28000
Max.	2180	2800	3600	4650	6000	7800	10000	13000	16800	21800	28000	36000

Tolerance $\pm 15\% \text{ mcd}$

*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.

* θ 1/2 is the off-axis angle where the luminous intensity is one half the on-axis intensity.

PRELIMINARY

2002/4/3 -1