



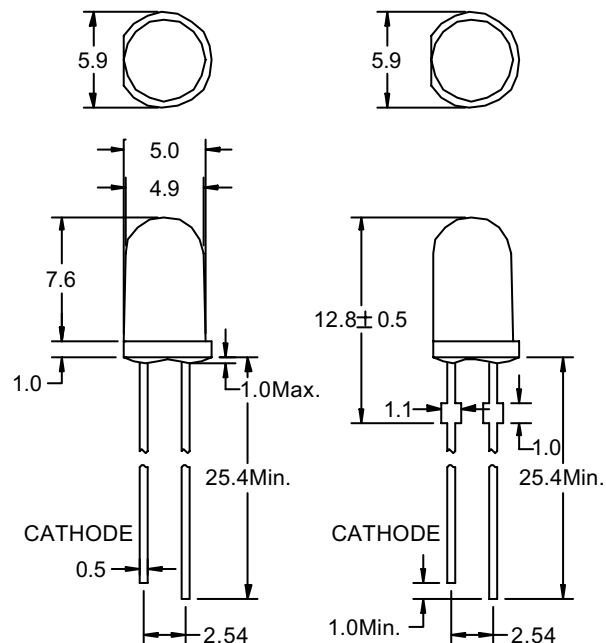
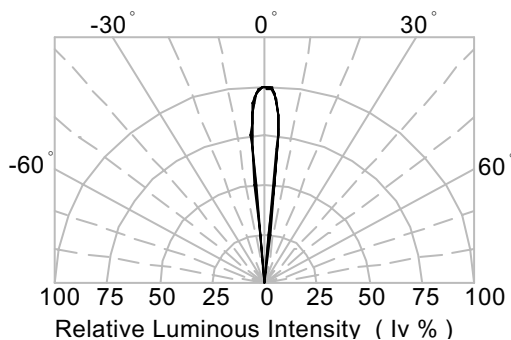
BVU-5E1BE4

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaN/SiC Blue
Light Color : Blue Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-5E1BE4 R

RADIATION PATTERN



ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	110	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	70	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		3.8	4.7	V
I R	Reverse Current	V R = 5V			10	μ A
λ p	Peak Emission Wavelength	I F = 20 mA		428		n m
λ d	Dominant Wavelength	I F = 20 mA		466		n m
2 θ 1/2	Viewing Angle	I F = 20 mA		15		Deg

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

Bin	B	C	D	E	F	G
Min.	130	168	218	280	360	465
Max.	168	218	280	360	465	600

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.

*These products are sensitive to static electricity. Caution must be taken strictly to avoid static electricity.