



BVU-5G51WI4-B

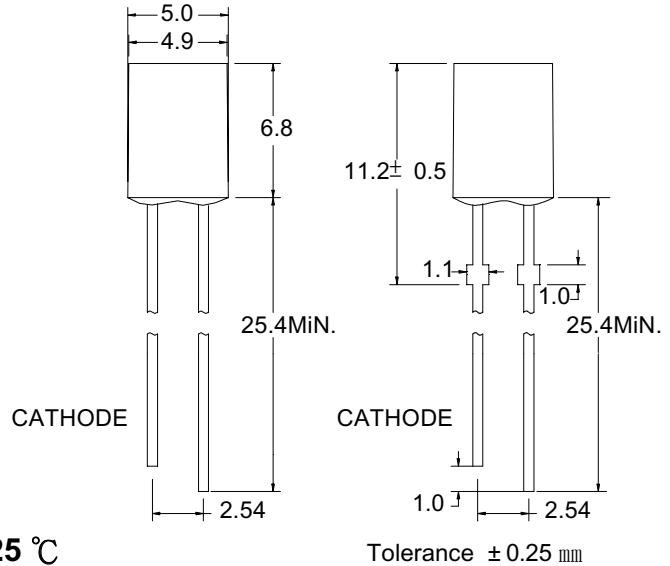
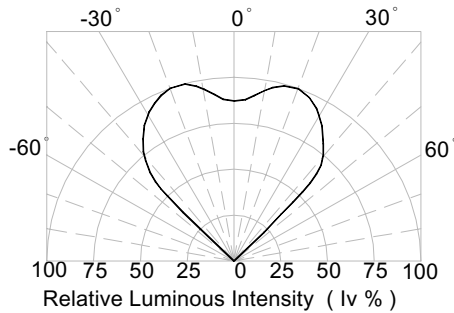
PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaN Blue
Light Color : White Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-5G51WI4-B R



RADIATION PATTERN



ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	120	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/°C
Operating Temperature Range	-40 to + 100	°C
Storage Temperature Range	-40 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		3.4	4	V
I _R	Reverse Current	V _R = 5V			2	μA
2θ 1/2	Viewing Angle	I _F = 20 mA		90		Deg

BIN GRADE LIMITS (I F = 20 mA) CHROMATICITY COORDINATES

WA	x	0.26	0.26	0.29	0.29	WC	x	0.32	0.32	0.35	0.35
	y	0.19	0.23	0.27	0.23		y	0.28	0.32	0.35	0.31
WB	x	0.29	0.29	0.32	0.32	WD	x	0.35	0.35	0.38	0.38
	y	0.23	0.27	0.32	0.28		y	0.31	0.35	0.4	0.36

One delivery will include three different ranks of products. Measurement Uncertainty of the color coordinates : ±0.02

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

Bin	C	D	E	F	G	H
Min.	168	218	280	360	465	600
Max.	218	280	360	465	600	780

One delivery will include the consecutive two ranks of products.
Measurement Uncertainty of the Luminous Intensity : ± 15 %

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

*These products are sensitive to static electricity.

Caution must be taken strictly to avoid static electricity.

*Chromaticity Coordinates , x,y 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.