



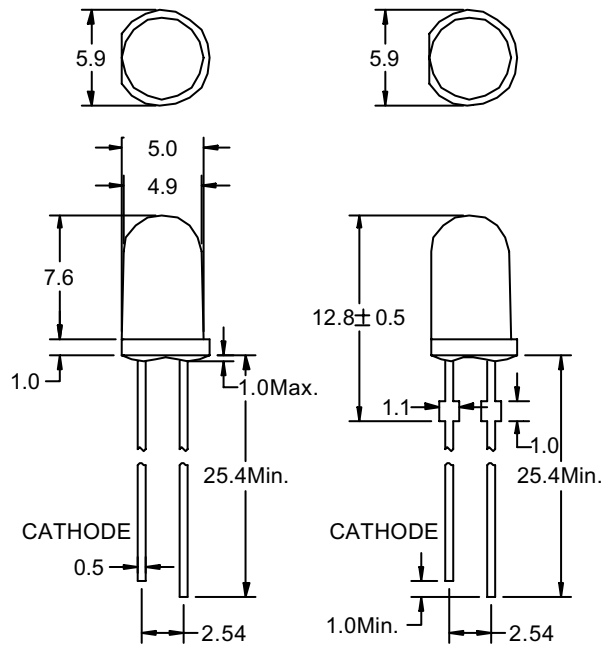
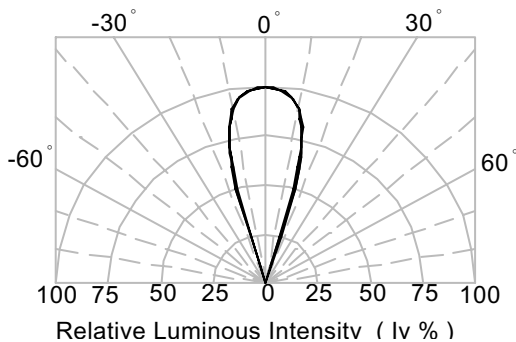
BVU-5M1QN1

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : AlGaInP/GaAs Orange Red
 Light Color : Orange Red Color
 Lens Color : Red Diffused
 Stand-Off P/N : BVU-5M1QN1 R

RADIATION PATTERN



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	65	mW
Continuous Forward Current	25	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	90	mA
Reverse Voltage	5	V
Derating Linear From 25 °C	0.4	mA/°C
Operating Temperature Range	-30 °C to + 85 °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		2.1	2.6	V
I R	Reverse Current	V R = 5V			100	μ A
λ p	Peak Emission Wavelength	I F = 20 mA		620		n m
λ d	Dominant Wavelength	I F = 20 mA		615		n m
2 θ 1/2	Viewing Angle	I F = 20 mA		30		Deg

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

Bin	D	E	F	G	H	I
Min.	218	280	360	465	600	780
Max.	280	360	465	600	780	1000

Tolerance ± 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.

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