



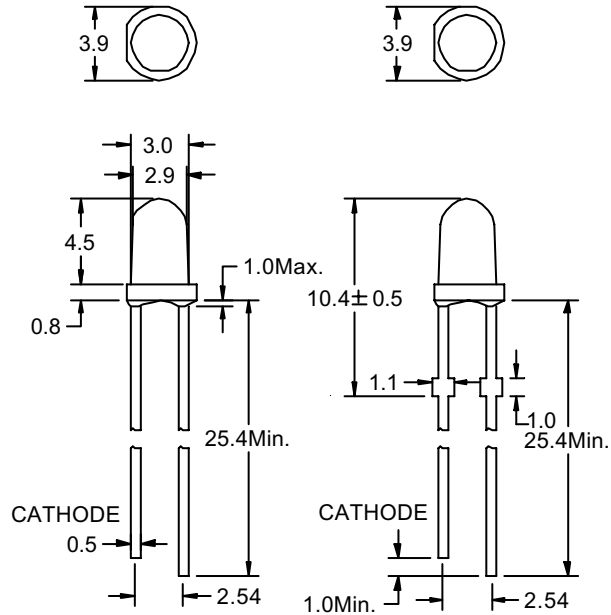
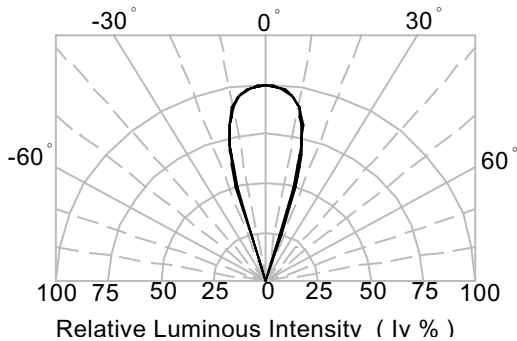
**BVU-3P0QH4#
BVT-3P0QH4#**

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : AlGaInP/GaAs Orange Red
Light Color : Orange Red Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-3P0QH4# R

RADIATION PATTERN



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	75	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		1.8	2.4	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		630		nm
λ _d	Dominant Wavelength	I _F = 20 mA		626		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		35		Deg

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

Device	<input type="checkbox"/> BVU-3P0QH4D	<input type="checkbox"/> BVU-3P0QH4E	<input type="checkbox"/> BVU-3P0QH4F	<input type="checkbox"/> BVU-3P0QH4G
Bin	D E F	G H I	J K L	M N O
Min.	218 280 360	465 600 780	1000 1300 1680	2180 2800 3600
Max.	280 360 465	600 780 1000	1300 1680 2180	2800 3600 4650

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.