

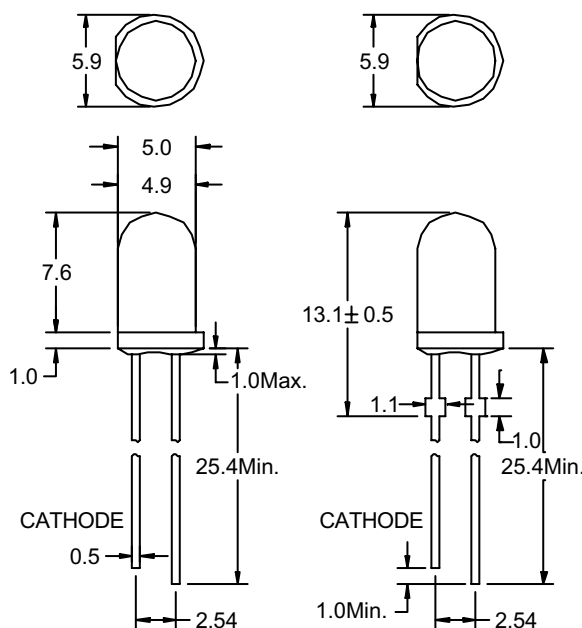
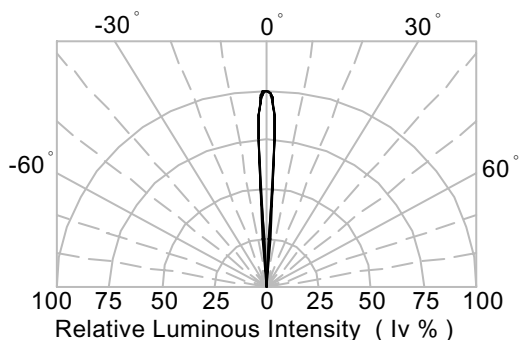
**BVU-5B0TM4#  
BVT-5B0TM4#**

**PACKAGE CONFIGURATION**

**DESCRIPTION**

Dice Material : AlGaInP/GaAs Yellow  
Light Color : Yellow Color  
Lens Color : Water Transparent  
Stand-Off P/N : BVU-5B0TM4# 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 <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 20 mA		2.0	2.6	V
I <sub>R</sub>	Reverse Current	V <sub>R</sub> = 5V			100	μA
λ <sub>p</sub>	Peak Emission Wavelength	I <sub>F</sub> = 20 mA		596		nm
λ <sub>d</sub>	Dominant Wavelength	I <sub>F</sub> = 20 mA		594		nm
2θ <sub>1/2</sub>	Viewing Angle	I <sub>F</sub> = 20 mA		8		Deg

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

Device	□ BVU-5B0TM4C			□ BVU-5B0TM4D			□ BVU-5B0TM4E			□ BVU-5B0TM4F		
Bin	G	H	I	J	K	L	M	N	O	P	Q	R
Min.	465	600	780	1000	1300	1680	2180	2800	3600	4650	6000	7800
Max.	600	780	1000	1300	1680	2180	2800	3600	4650	6000	7800	10000

Tolerance ± 15% mcd

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

\*Dominant Wavelength, λ<sub>d</sub> is according to CIE Chromaticity Diagram base on color of lamps.

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