



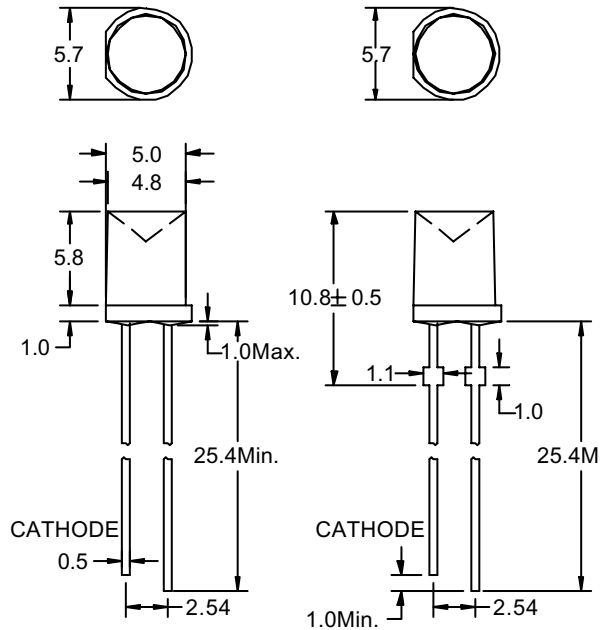
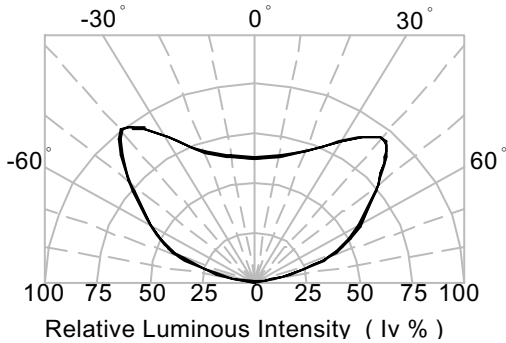
**BVU-524QT4**

**PACKAGE CONFIGURATION**

**DESCRIPTION**

Dice Material : AllnGaP/GaP Orange Red  
 Light Color : Orange Red Color  
 Lens Color : Water Transparent  
 Stand-Off P/N : BVU-524QT4 R

**RADIATION PATTERN**



Tolerance ± 0.25 mm

**ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C**

PARAMETER	MAX.	UNIT
Power Dissipation	80	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		2.3	2.8	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		634		nm
λ <sub>d</sub>	Dominant Wavelength	I <sub>F</sub> = 20 mA		629		nm
2θ <sub>1/2</sub>	Viewing Angle	I <sub>F</sub> = 20 mA		130		Deg

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

Bin	A	B	C	D	E	F
Min.	100	130	168	218	280	360
Max.	130	168	218	280	360	465

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.