

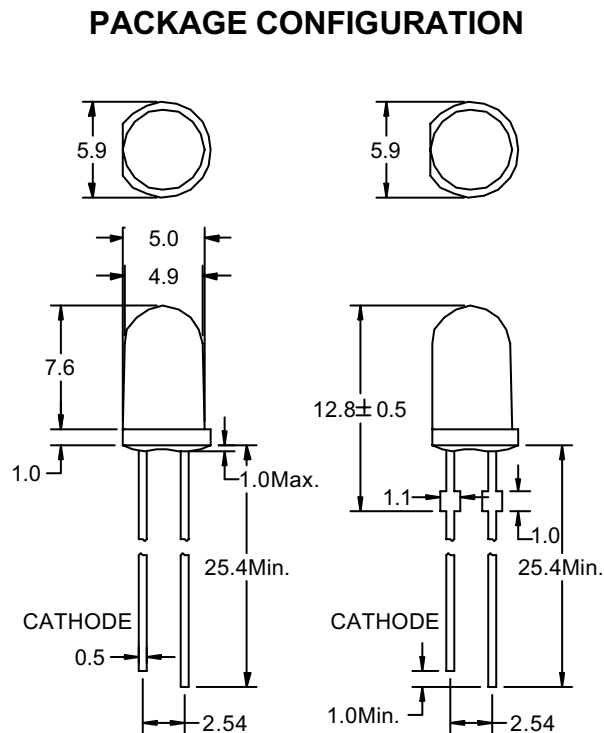
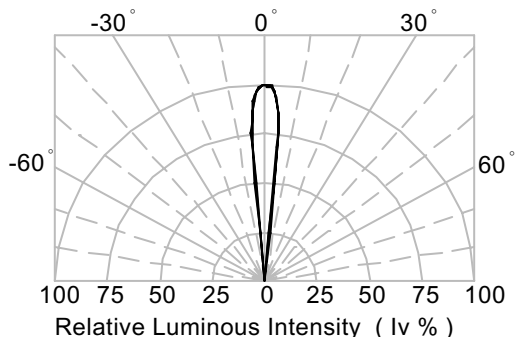


BVU-5E1TH8# BVT-5E1TH8#

DESCRIPTION

Dice Material : AlGaInP/GaAs Yellow
Light Color : Yellow Color
Lens Color : Yellow Tinted Transparent
Stand-Off P/N : BVU-5E1TH8# R

RADIATION PATTERN



Tolerance $\pm 0.25 \text{ mm}$

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		1.9	2.4	V
I _R	Reverse Current	V _R = 5V			100	μA
λ_p	Peak Emission Wavelength	I _F = 20 mA		592		nm
λ_d	Dominant Wavelength	I _F = 20 mA		590		nm
2 $\theta_{1/2}$	Viewing Angle	I _F = 20 mA		15		Deg

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

Device	☐ BVU-5E1TH8D	☐ BVU-5E1TH8E	☐ BVU-5E1TH8F	☐ BVU-5E1TH8G								
Bin	F	G	H	I	J	K	L	M	N	O	P	Q
Min.	360	465	600	780	1000	1300	1680	2180	2800	3600	4650	6000
Max.	465	600	780	1000	1300	1680	2180	2800	3600	4650	6000	7800

Tolerance $\pm 15\% \text{ mcd}$

*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.

* $\theta_{1/2}$ is the off-axis angle where the luminous intensity is one half the on-axis intensity.