BRIGHT VIEW
ELECTRONICS CO.,LTD

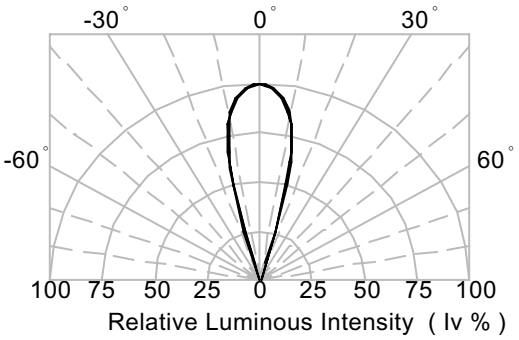
ULTRA BRIGHTNESS LED LAMP

BVU-5M5QT4#
BVT-5M5QT4#

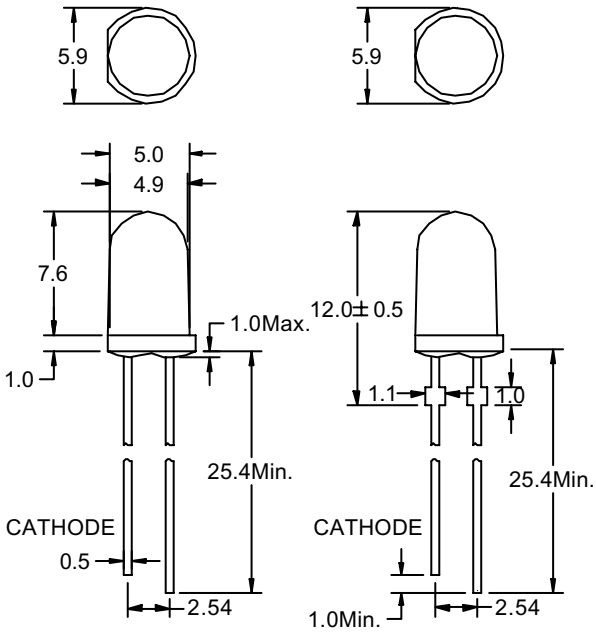
DESCRIPTION

Dice Material : AlInGaP/GaP Orange Red
Light Color : Orange Red Color
Lens Color : Water Transparent
Stand-Off P/N : BVU-5M5QT4# R

RADIATION PATTERN



PACKAGE CONFIGURATION



Tolerance ±0.25 ㎜

ABSOLUTE MAXIMUM RATINGS AT Ta = 25℃

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℃	0.4	mA/°C
Operating Temperature Range	−40℃ to + 100℃	
Storage Temperature Range	−40℃ to + 100℃	
Lead Solder Temperature 1.6 mm Below Package 260℃ for 5 seconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25℃

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I_F = 20 mA		2.3	2.8	V
I_R	Reverse Current	V_R= 5V			100	μA
λp	Peak Emission Wavelength	I_F = 20 mA		634		n m
λd	Dominant Wavelength	I_F = 20 mA		629		n m
2θ1/2	Viewing Angle	I_F = 20 mA		30		Deg

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

Device ☐ BVU-5M5QT4D ☐ BVU-5M5QT4E ☐ BVU-5M5QT4F ☐ BVU-5M5QT4G

Bin	K	L	M	N	O	P	Q	R	S	T	U	V
Min.	1300	1680	2180	2800	3600	4650	6000	7800	10000	13000	16800	21800
Max.	1680	2180	2800	3600	4650	6000	7800	10000	13000	16800	21800	28000

Tolerance ±15%mcd

*Bright View reserves the rights to alter specifications and remove availability of products at any time without notice.
*Dominant Wavelength, λd is according to CIE Chromaticity Diagram base on color of lamps.
* θ1/2 is the off-axis angle where the luminous intensity is one half the on-axis intensity.