



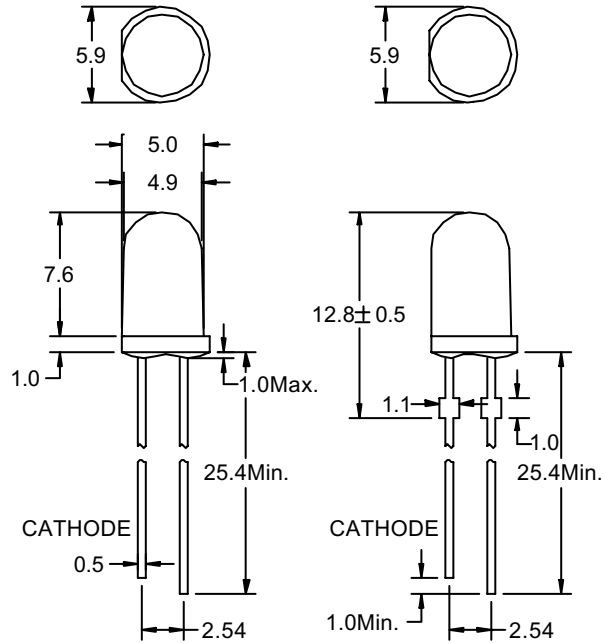
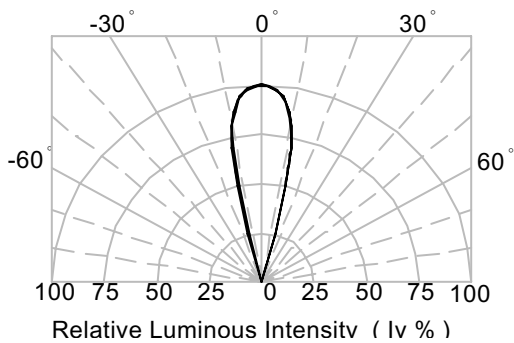
BVL-501E1D

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaAsP/GaP Orange Red
 Light Color : Orange Red Color
 Lens Color : Orange Diffused
 Stand-Off P/N : BVL-501E1D 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)	120	mA
Reverse Voltage	5	V
Derating Linear From 25 °C	0.4	mA/°C
Operating Temperature Range	-30 °C to + 85 °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		2.1	2.8	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		632		nm
λ _d	Dominant Wavelength	I _F = 20 mA		622		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		25		Deg
I _v	Luminous Intensity	I _F = 10 mA	28	50		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.