



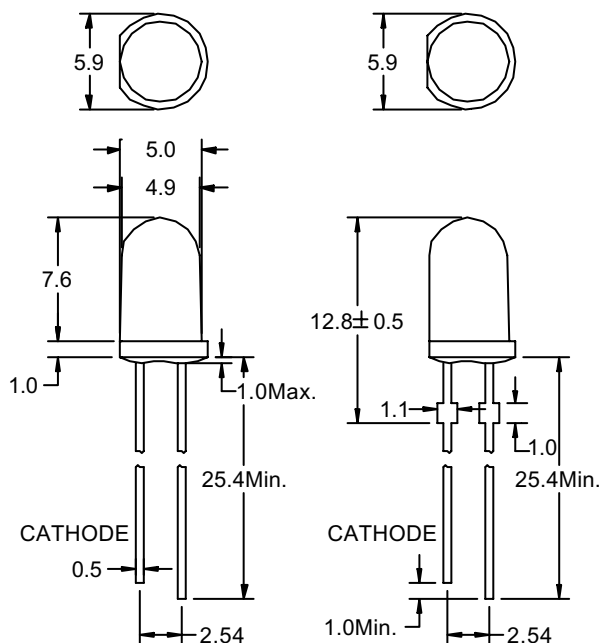
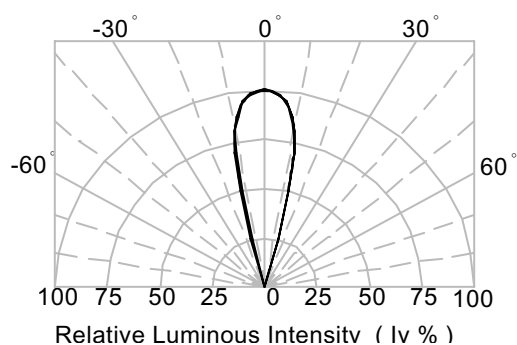
BVL-501H1D

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaP/GaP Red
Light Color : Red Color
Lens Color : Red Diffused
Stand-Off P/N : BVL-501H1D R

RADIATION PATTERN



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT $T_a = 25^\circ\text{C}$

PARAMETER	MAX.	UNIT
Power Dissipation	40	mW
Continuous Forward Current	15	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	60	mA
Reverse Voltage	5	V
Derating Linear From 25 °C	0.15	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 $T_a = 25^\circ\text{C}$

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	$I_F = 20\text{ mA}$		2.3	2.9	V
I_R	Reverse Current	$V_R = 5\text{ V}$			100	μA
λ_p	Peak Emission Wavelength	$I_F = 20\text{ mA}$		695		nm
λ_d	Dominant Wavelength	$I_F = 20\text{ mA}$		640		nm
$2\theta_{1/2}$	Viewing Angle	$I_F = 20\text{ mA}$		25		Deg
I_v	Luminous Intensity	$I_F = 10\text{ mA}$	2	4		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.