



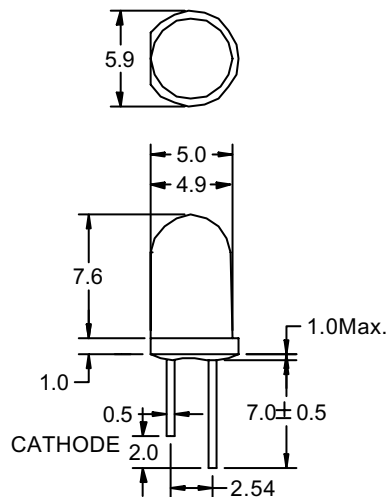
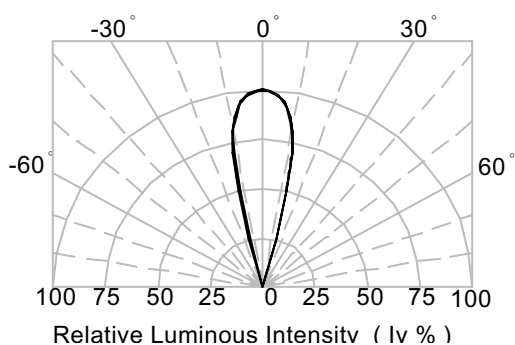
BVL-501H1D-K

PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaP/GaP Red
Light Color : Red Color
Lens Color : Red Diffused

RADIATION PATTERN



Tolerance ± 0.25 mm

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

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _F	Forward Voltage	I _F = 20 mA		2.3	2.9	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		695		nm
λ _d	Dominant Wavelength	I _F = 20 mA		640		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		25		Deg
I _v	Luminous Intensity	I _F = 10 mA	2	4		mcd

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*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.