



BVH-331HYG

DESCRIPTION

Dice Material : GaP/GaP Red

Light Color : Red Color

Lens Color : Red Diffused

Holder Color : Black Color

GaAsP/GaP Yellow

Yellow Color

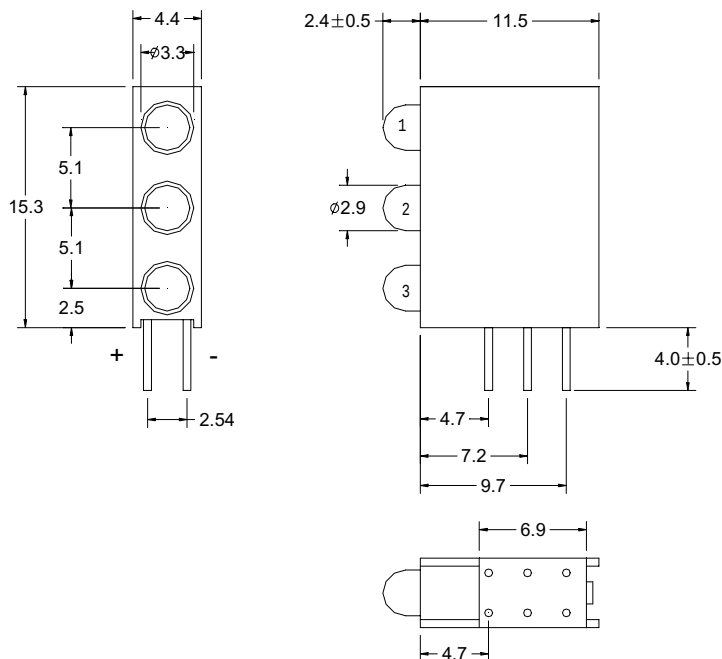
Yellow Diffused

GaP/GaP Green

Green Color

Green Diffused

PACKAGE CONFIGURATION



LAMP	1	2	3	4	5	6	7	8	9	10	11	12	13	14
COLOR	R	Y	G											

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	Red	Yellow	Green	UNIT
Power Dissipation	40	80	80	mW
Continuous Forward Current	15	30	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	60	90	90	mA
Reverse Voltage	5	5	5	V
Derating Linear From 25 °C	0.15	0.4	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.	Red			Yellow			Green			UNIT
			MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
V F	Forward Voltage	I F = 20mA	2.2	2.8		2.1	2.8		2.2	2.8		V
I R	Reverse Current	V R = 5 V			100			100			100	μ A
λ p	Peak Emission Wavelength	I F = 20mA	595			589			568			nm
λ d	Dominant Wavelength	I F = 20mA	640			590			573			nm
2 θ 1/2	Viewing Angle	I F = 20mA	55			55			55			Deg
I v	Luminous intensity	I F = 10mA	1.2	1.8		8	12		10	15		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.