

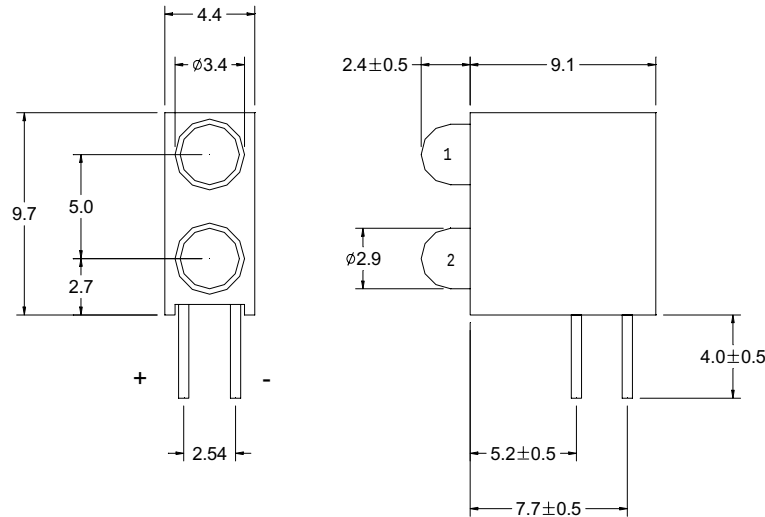


BVH-232G1Y1

DESCRIPTION

Dice Material : GaP/GaP Green	GaAsP/GaP Yellow
Light Color : Green Color	Yellow Color
Lens Color : Green Diffused	Yellow Diffused
Holder Color : Black Color	

PACKAGE CONFIGURATION



LAMP	1	2	3	4	5	6	7	8	9	10
COLOR	G	Y								

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	Green	Yellow	UNIT
Power Dissipation	80	80	mW
Continuous Forward Current	30	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	90	90	mA
Reverse Voltage	5	5	V
Derating Linear From 25 °C	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.	Green			Yellow			UNIT
			MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	
V _F	Forward Voltage	I _F = 20mA	2.2	2.8		2.1	2.8		V
I _R	Reverse Current	V _R = 5 V		100			100		μA
λ _p	Peak Emission Wavelength	I _F = 20mA		568			589		nm
λ _d	Dominant Wavelength	I _F = 20mA		573			590		nm
2θ _{1/2}	Viewing Angle	I _F = 20mA		55			55		Deg
I _v	Luminous intensity	I _F = 10mA	10	15		8	12		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.