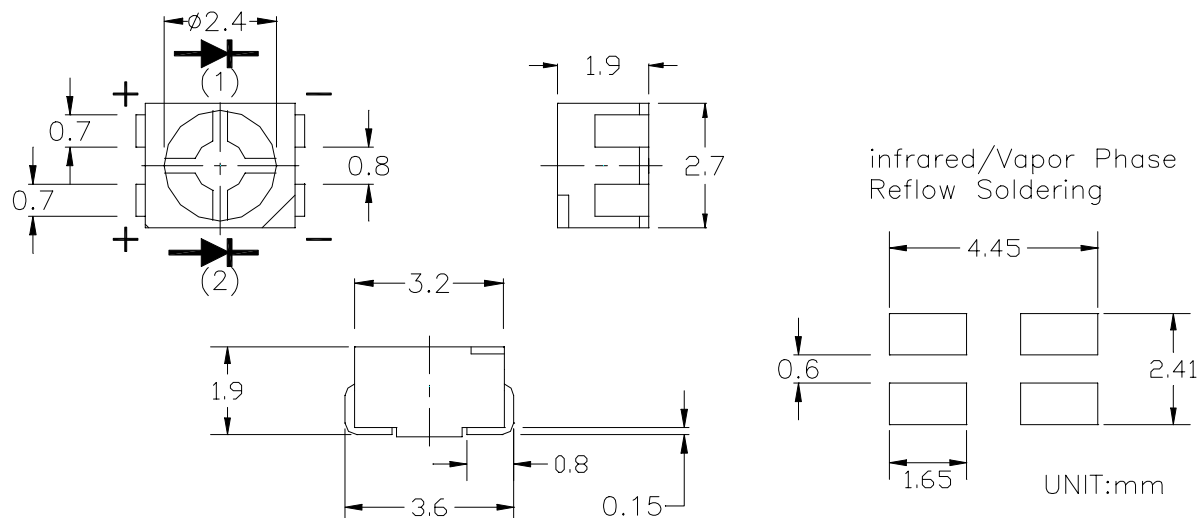




BVS-312DG4

PACKAGE CONFIGURATION



DESCRIPTION

Dice Material : (1)D: GaAlAs/GaAs Super Brightness Red ,(2)G: GaP/GaP Green

Light Color : (1)D: Red Color ,(2)G: Green Color

Lens Color : Water Transparent

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	D	G	UNIT
Power Dissipation	65	65	mW
Continuous Forward Current	25	25	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	60	80	mA
Reverse Voltage	5	5	V
Derating Linear From 25 °C	0.35	0.35	mA/°C
Operating Temperature Range	− 30 to + 85		°C
Storage Temperature Range	− 40 to + 100		°C
Infrared Soldering Condition 230 °C for 40 seconds			

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V F	Forward Voltage (D)	I F = 20 mA		1.8	2.5	V
	Forward Voltage (G)			2.2	2.8	V
I R	Reverse Current (D)	V R = 5V			100	μ A
	Reverse Current (G)				100	μ A
λ p	Peak Emission Wavelength (D)	I F = 20 mA		660		n m
	Peak Emission Wavelength (G)			568		n m
λ d	Dominant Wavelength (D)	I F = 20 mA		643		n m
	Dominant Wavelength (G)			573		n m
2 θ 1/2	Viewing Angle (D)	I F = 20 mA		110		Deg
	Viewing Angle (G)			110		Deg
I v	Luminous Intensity (D)	I F = 20 mA	42	60		mcd
	Luminous Intensity (G)		20	29		mcd

Tolerance ± 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.