

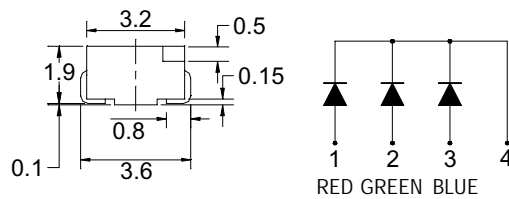
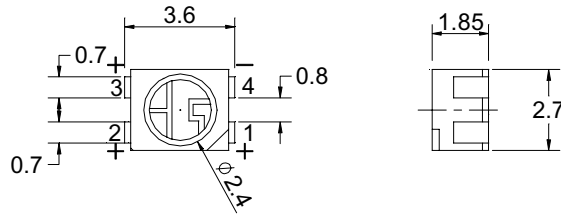


**BVS-313RGB4C**

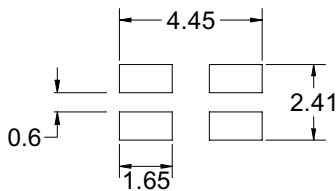
**PACKAGE CONFIGURATION**

**DESCRIPTION**

Dice Material : R: AlGaInP/GaAs Orange Red  
 G: InGaN/SiC Green  
 B: InGaN/SiC Blue  
 Light Color : R: Orange Red Color  
 G: Green Color  
 B: Blue Color  
 Lens Color : Water Transparent



**INFRARED / VAPOR PHASE  
REFLOW SOLDERING**



Tolerance  $\pm 0.25$  mm

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

PARAMETER	RED	GREEN	BLUE	UNIT
Power Dissipation	65	110	110	mW
Continuous Forward Current	25	25	25	mA
Peak Forward Current ( 1/10 Duty Cycle , 0.1ms Pulse Width )	60	60	60	mA
Reverse Voltage	5	5	5	V
Derating Linear From 25 °C	0.35	0.35	0.35	mA/°C
Operating Temperature Range	-30 to + 85			°C
Storage Temperature Range	-40 to + 100			°C
Infrared Soldering Condition 220 °C for 40 seconds				

**ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C , IF = 20mA**

COLOR	VF (V)		IR (μA)		λp (nm)	λd (nm)	2θ 1/2 (Deg)	Iv (mcd)		
	TYP.	MAX.	at VR=V	MAX.	TYP.	TYP.	TYP.	MIN.	TYP.	MAX.
RED	2.1	2.6	5	100	630	622	110	100	140	
GREEN	3.4	4.2	5	20	523	525	110	140	200	
BLUE	3.5	4.2	5	20	468	470	110	42	60	

Tolerance  $\pm 15\%$ mcd

\*Bright View reserves the rights to alter specifications and remove availability of products at any time without notice

\*Dominant Wavelength, λd 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.

\*These products are sensitive to static electricity. Caution must be taken strictly to avoid static electricity.