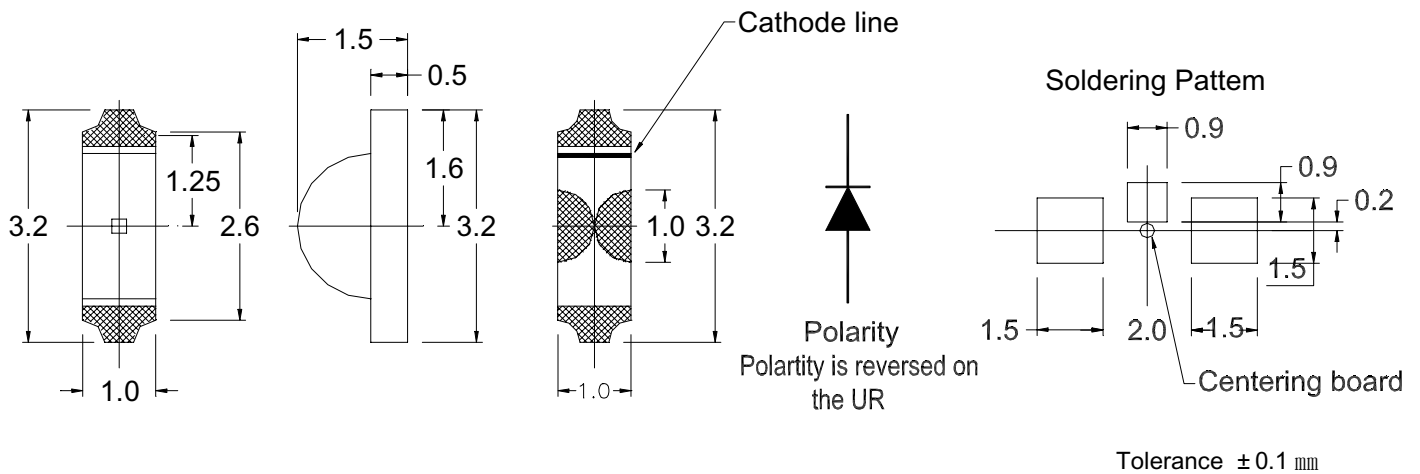




BVS-121 SERIES

PACKAGE CONFIGURATION



ABSOLUTE MAXIMUM RATINGS AT $T_a = 25^\circ\text{C}$

DEVICE TYPE	BVS-121NB4	BVS-121UYG4 BVS-121UY4 BVS-121UD4 BVS-121USD4	BVS-121UR4	BVS-121GQ4 BVS-121SQ4	UNIT
PARAMETER					
Power Dissipation	84	42	66	42	mW
Continuous Forward Current	20	15	30	15	mA
Peak Forward Current	80	100	100	100	mA
Reverse Voltage	5	5	5	5	V
Operating Temperature Range	-30 to $+85$				$^\circ\text{C}$
Storage Temperature Range	-40 to $+85$				$^\circ\text{C}$
Infrared Soldering Condition	230°C for 40 seconds				

*Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)

ELECTRICAL / OPTICAL CHARACTERISTICS AT $T_a = 25^\circ\text{C}$, $I_F = 20\text{mA}$

PART NUMBER	DICE MATEIAL	LIGHT COLOR	LENS COLOR	V F (V)		λ_p (nm)	λ_d (nm)	$\Delta\lambda$ (nm)	I v (mcd)
				TYP.	MAX.				
BVS-121NB4	InGaP	Blue	Water Clear	3.3	3.9	480	470	45	55
BVS-121GQ4	AlInGaP	Yellow Green		2.2	2.8	570	572	20	30
BVS-121UYG4	AlInGaP	Yellow Green		2.2	2.6	574	573	16	45
BVS-121UY4	AlInGaP	Yellow		2	2.6	592	590	15	55
BVS-121UD4	AlInGaP	Amber		2	2.6	610	605	18	75
BVS-121SQ4	AlInGaP	Orange Red		2.1	2.8	632	625	17	40
BVS-121USD4	AlInGaP	Orange Red		2	2.6	636	625	22	120
BVS-121UR4	AlGaAs	Red		1.8	2.2	660	643	20	20

Tolerance $\pm 15\% \text{mcd}$

*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.

* $\theta_{1/2}$ 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.