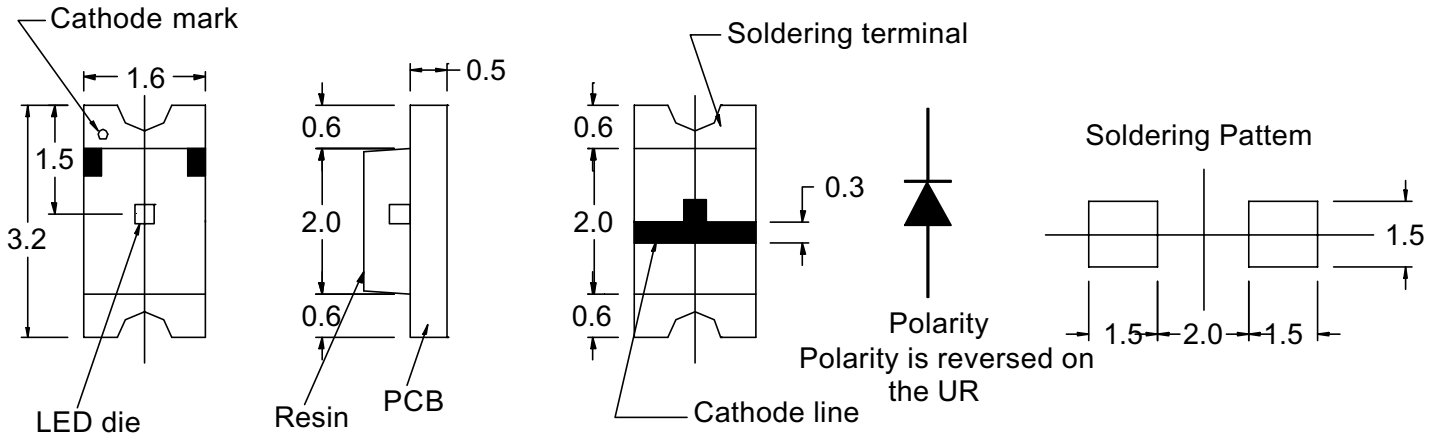




BVS-122 SERIES

PACKAGE CONFIGURATION



Tolerance ± 0.1 mm

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

PARAMETER	DEVICE TYPE	BVS-122UY2	BVS-122YG2	BVS-122DQ2	UNIT
	BVS-122NB2 BVS-122NG2	BVS-122UD2 BVS-122USD2	BVS-122SD2 BVS-122UR2	BVS-122DQ2 BVS-122HQ2	
Power Dissipation	84	78	65	42	mW
Continuous Forward Current	20	30	25	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 $^\circ\text{C}$ 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-122NB2	InGaN	Blue	Milky Diffused	3.3	3.9	480	470	45	50
BVS-122NG2	InGaN	Green		3.3	3.9	523	525	40	110
BVS-122YG2	GaP	Yellow Green		2.2	2.6	568	570	30	13
BVS-122UY2	AllnGaP	Yellow		2	2.6	592	590	15	60
BVS-122DQ2	AllnGaP	Amber		2.1	2.8	609	605	20	30
BVS-122UD2	AllnGaP	Amber		2	2.6	610	605	18	65
BVS-122USD2	AllnGaP	Orange Red		2	2.6	636	625	22	65
BVS-122SD2	GaAsP	Orange Red		2.1	2.6	642	632	40	15
BVS-122HQ2	AllnGaP	Orange Red		2.1	2.8	643	632	20	40
BVS-122UR2	AlGaAs	Red		1.8	2.2	660	643	20	25

Tolerance $\pm 15\%$ 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.

* $\theta_{1/2}$ 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.