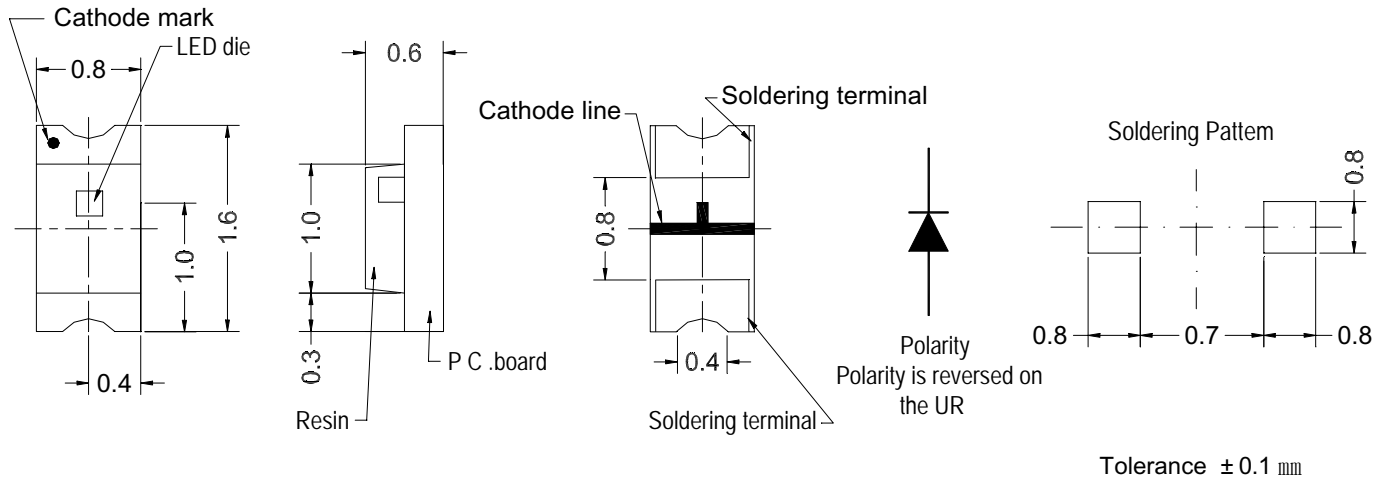




BVS-162 SERIES

PACKAGE CONFIGURATION



ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	DEVICE TYPE				UNIT
	BVS-162NB2 BVS-162NG2	BVS-162UY2 BVS-162USD2	BVS-162YG2 BVS-162SD2 BVS-162UR2	BVS-162YQ2 BVS-162HQ2 BVS-162RQ2 BVS-162GQ2	
Power Dissipation	84	78	65	42	mW
Continuous Forward Current	20	30	25	15	mA
Peak Forward Current	100	100	100	100	mA
Reverse Voltage	5	5	5	5	V
Operating Temperature Range	-30 to +85				°C
Storage Temperature Range	-40 to +85				°C
Infrared Soldering Condition	230 °C for 40 seconds				

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

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

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-162NB2	InGaN	Blue	Milky Diffused	3.5	4.2	468	470	26	30
BVS-162NG2	InGaN	Green		3.5	4.2	523	525	36	120
BVS-162YG2	GaP	Yellow Green		2.2	2.6	568	570	30	13
BVS-162GQ2	AlInGaP	Yellow Green		2.2	2.8	570	572	20	30
BVS-162YQ2	AlInGaP	Yellow		2.1	2.8	592	590	20	40
BVS-162UY2	AlInGaP	Yellow		2	2.6	592	590	15	60
BVS-162USD2	AlInGaP	Orange Red		2	2.6	636	625	22	85
BVS-162SD2	GaAsP	Orange Red		2.1	2.6	642	632	40	12
BVS-162HQ2	AlInGaP	Orange Red		2.1	2.8	643	632	22	40
BVS-162RQ2	AlInGaP	Orange Red		2.1	2.8	643	636	22	30
BVS-162UR2	AlGaAs	Red		1.8	2.2	660	643	20	20

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.

* $\theta_{1/2}$ 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.