



BVG - 912SD1

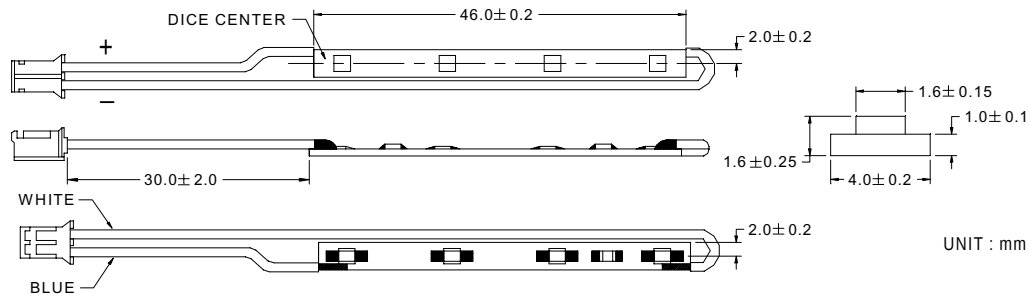
DESCRIPTION

Dice Materia : GaAlAs/GaAlAs Infrared Emitting (BVS-126L2)

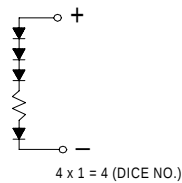
Light Color : Infrared

Lens Color : Water Diffused

PACKAGE CONFIGURATION



TYPICAL INTERNAL EQUIVALENT CIRCUIT



SORTING FOR RADIANT INTENSITY

RANKS	Average Po (mW)		COND.
	MIN.	MAX.	
C	4.0	6.4	VDD = 9V
D	6.4	10.0	

* Po TOLERANCE ±15%

ABSOLUTE MAXIMUM RATINGS AT Ta = 25°C

PARAMETER	MAX.	UNIT
Forward Voltage	9.0	V
Reverse Voltage	12.0	V
Power Dissipation	0.3	W
Operating Temperature Range	−10°C TO +60°C	
Storage Temperature Range	−25°C TO +80°C	

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25°C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
I _{DD}	Forward Current	VDD = 9 V	27	30	33	mA
I _R	Reverse Current	VR = 12 V			0.5	mA
Po	Radiated Output Power	VDD = 9 V		5.0		mW
△EH	Uniformity	VDD = 9 V			25	%
λ _p	Peak Emission Wavelength	IF = 20 mA		880		nm
△λ	Spectral Line Half Width	IF = 20 mA		50		nm
L	Effective Illuminated Length	VDD = 9 V		40		mm

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

* Measured by Bright View equipment No. : LS-370.