



BVG - 922SD1

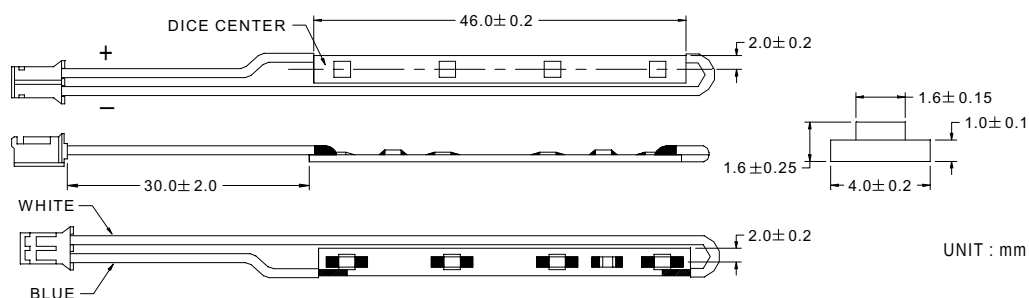
DESCRIPTION

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

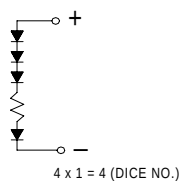
Light Color : Infrared

Lens Color : Water Diffused

PACKAGE CONFIGURATION



TYPICAL INTERNAL EQUIVALENT CIRCUIT



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

PARAMETER	MAX.	UNIT
Forward Voltage	9.0	V
Reverse Voltage	12.0	V
Power Dissipation	0.3	W
Operating Temperature Range	-10°C TO $+60^\circ\text{C}$	
Storage Temperature Range	-25°C TO $+80^\circ\text{C}$	

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

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
I_{DD}	Forward Current	$V_{DD} = 9 \text{ V}$	27	30	33	mA
I_R	Reverse Current	$V_R = 12 \text{ V}$			0.5	mA
P_o	Radiated Output Power	$V_{DD} = 9 \text{ V}$		5.0		mW
Δ_{EH}	Uniformity	$V_{DD} = 9 \text{ V}$			25	%
λ_p	Peak Emission Wavelength	$I_F = 20 \text{ mA}$		880		nm
$\Delta\lambda$	Spectral Line Half Width	$I_F = 20 \text{ mA}$		50		nm
L	Effective Illuminated Length	$V_{DD} = 9 \text{ V}$		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.