



BVG - 910SD1

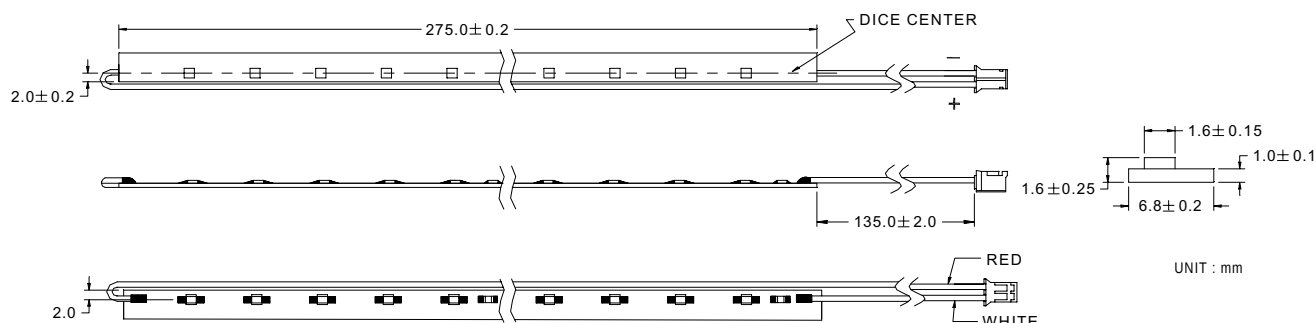
DESCRIPTION

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

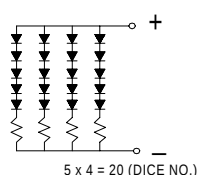
Light Color : Infrared

Lens Color : Water Diffused

PACKAGE CONFIGURATION



TYPICAL INTERNAL EQUIVALENT CIRCUIT



SORTING FOR RADIANT INTENSITY

Average Po (mW)			
RANKS	MIN.	MAX.	COND.
C	4.0	6.4	VDD = 12V
D	6.4	10.0	

* Po TOLERANCE ±15%

ABSOLUTE MAXIMUM RATINGS AT Ta = 25°C

PARAMETER	MAX.	UNIT
Forward Voltage	12.6	V
Reverse Voltage	15.0	V
Power Dissipation	1.7	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	V _{DD} = 12 V	108	120	132	mA
I _R	Reverse Current	V _R = 15 V			0.5	mA
P _o	Radiated Output Power	V _{DD} = 12 V		5.0		mW
ΔEH	Uniformity	V _{DD} = 12 V			25	%
λ _p	Peak Emission Wavelength	I _F = 20 mA		880		nm
Δλ	Spectral Line Half Width	I _F = 20 mA		50		nm
L	Effective Illuminated Length	V _{DD} = 12 V		250		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.