



BRIGHT VIEW
ELECTRONICS CO., LTD.

LED LIGHT SOURCE

BVG - 045R3 / 045R4

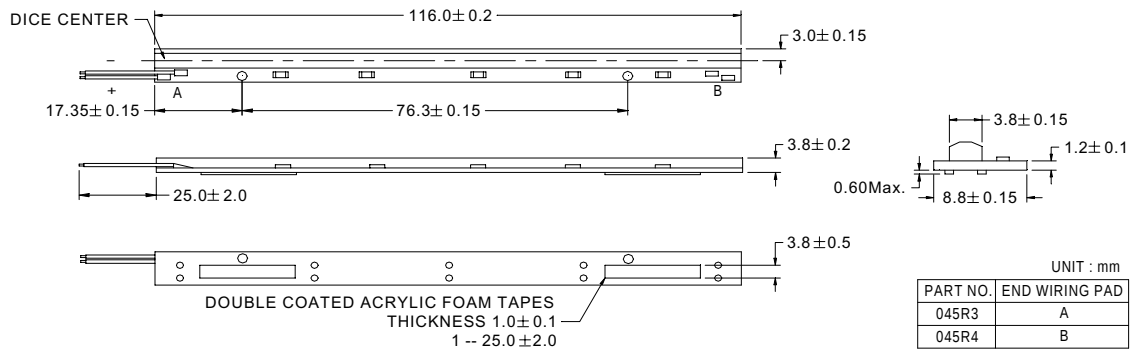
DESCRIPTION

Dice Materia : GaAlAs/GaAs Super Red

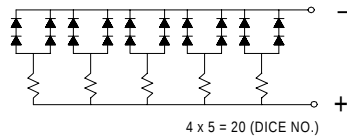
Light Color : Red

Lens Color : Water Transparent

PACKAGE CONFIGURATION



TYPICAL INTERNAL EQUIVALENT CIRCUIT



ABSOLUTE MAXIMUM RATINGS AT Ta = 25°C

PARAMETER	MAX.	UNIT
Forward Voltage	5.3	V
Reverse Voltage	7.0	V
Power Dissipation	0.5	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} = 5 V			100	mA
I _R	Reverse Current	V _R = 7 V			0.5	mA
L _{vp}	Peak Luminous	V _{DD} = 5 V	1400	1800	2200	Lux
△EH	Uniformity	V _{DD} = 5 V			14	%
△L	Effective Illuminated Width	V _{DD} = 5 V	3.0	4.6		mm
λ _p	Peak Emission Wavelength	I _F = 20 mA		660		nm
△λ	Spectral Line Half Width	I _F = 20 mA		30		nm
L	Effective Illuminated Length	V _{DD} = 5 V		106		mm

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