

BVG - 055R1 / 055R2

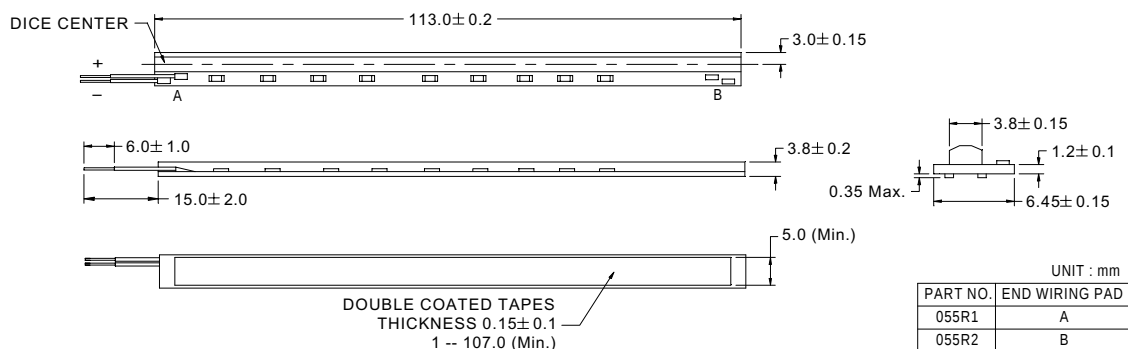
DESCRIPTION

Dice Materia : GaAlAs/GaAs Super Red

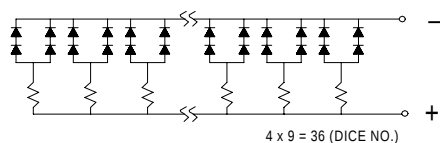
Light Color : Red

Lens Color : Water Transparent

PACKAGE CONFIGURATION



TYPICAL INTERNAL EQUIVALENT CIRCUIT



ABSOLUTE MAXIMUM RATINGS AT T_a = 25°C

PARAMETER	MAX.	UNIT
Forward Voltage	5.3	V
Reverse Voltage	7.0	V
Power Dissipation	1.9	W
Operating Temperature Range	-10°C TO +60°C	
Storage Temperature Range	-25°C TO +80°C	

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_a = 25°C

SYMBOL		PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
I _{DD}	Forward	Current	V _{DD} = 5 V		225	360	mA
I _R	Reverse	Current	V _R = 7 V			0.5	mA
L _{vp}	Peak	Luminous	V _{DD} = 5 V		1200		Lux
△EH	Uniformity		V _{DD} = 5 V			15	%
△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		103		mm

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