

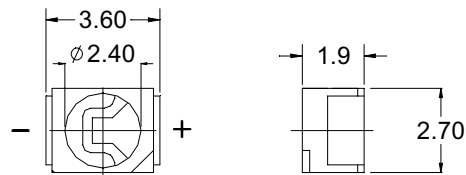


BVS-311RU4

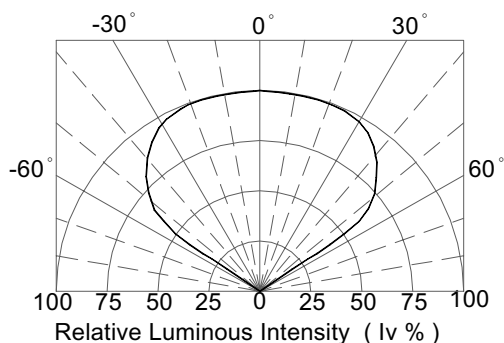
PACKAGE CONFIGURATION

DESCRIPTION

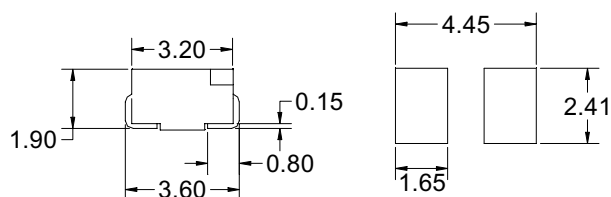
Dice Material : GaAlAs/GaAlAs Red
Light Color : Red Color
Lens Color : Water Transparent



RADIATION PATTERN



INFRARED/VAPOR PHASE REFLOW SOLDERING



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	70	mW
Continuous Forward Current	25	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	80	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.35	mA/°C
Operating Temperature Range	-40 to + 100	°C
Storage Temperature Range	-40 to + 100	°C
Infrared Soldering Condition 230 °C for 40 seconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _F	Forward Voltage	I _F = 10 mA		1.9	2.5	V
V _F	Forward Voltage	I _F = 20 mA		2.1	2.7	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		660		nm
λ _d	Dominant Wavelength	I _F = 20 mA		643		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		110		Deg

BIN GRADE LIMITS (I_F = 10 mA) LUMINOUS INTENSITY / mcd

Bin	w	x	y	z	A	B
Min.	22	32	48	69	100	150
Max.	32	48	69	100	150	218

Tolerance $\pm 15\%$ mcd

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

*Dominant Wavelength, λ_d is according to CIE Chromaticity Diagram base on color of lamps.

*θ_{1/2} is the off-axis angle where the luminous intensity is one half the on-axis intensity.