

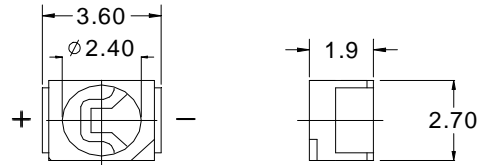


BVS-301QS4

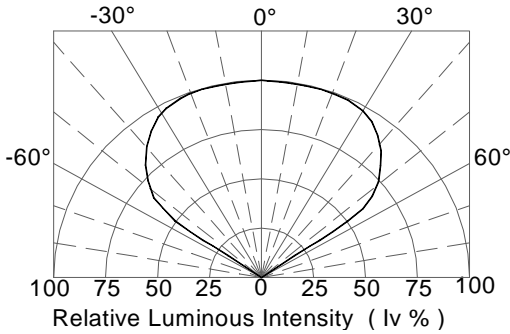
PACKAGE CONFIGURATION

DESCRIPTION

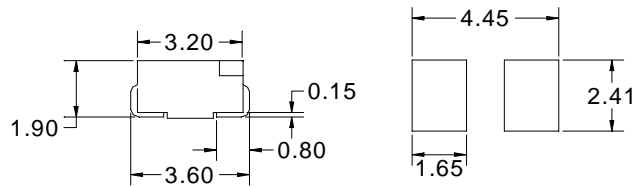
Dice Material : AlGaInP/GaAs Amber
Light Color : Amber Color
Lens Color : Water Transparent



RADIATION PATTERN



INFRARED/VAPOR PHASE REFLOW SOLDERING



Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	95	mW
Continuous Forward Current	35	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	80	mA
Reverse Voltage	5	V
Operating Temperature Range	-40 to +100	°C
Storage Temperature Range	-40 to +100	°C
Reflow Soldering Condition 245°C for 10 seconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _F	Forward Voltage	I _F = 20 mA		2	2.6	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		611		nm
λ _d	Dominant Wavelength	I _F = 20 mA		605		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		110		Deg

BIN GRADE LIMITS (I F = 20 mA) LUMINOUS INTENSITY / mcd

Bin	B	C	D	E	F	G
Min.	130	168	218	280	360	465
Max.	168	218	280	360	465	600

Tolerance ± 15% mcd

BIN GRADE LIMITS (I F = 20 mA) DOMINANT WAVELENGTH / nm

Bin	AB	AC	AD	AE
Min.	598	602	606	610
Max.	602	606	610	614

Tolerance ± 1nm

*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.