



BVS-301Y4

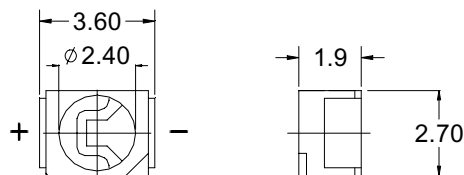
PACKAGE CONFIGURATION

DESCRIPTION

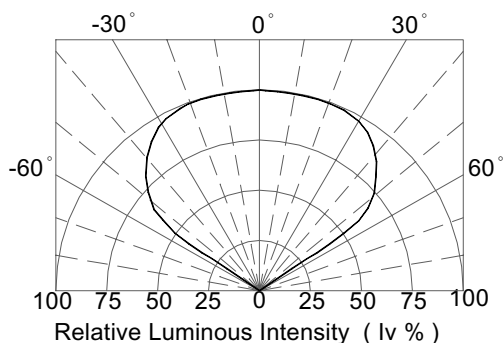
Dice Material : GaAsP/GaP Yellow

Light Color : Yellow Color

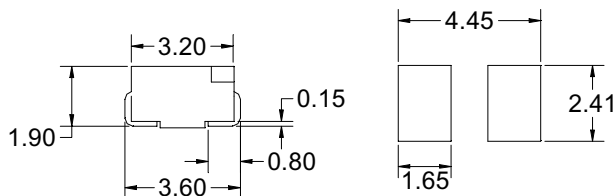
Lens Color : Water Transparent



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)	60	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		2.1	2.7	V
V _F	Forward Voltage	I _F = 20 mA		2.2	2.8	V
I _R	Reverse Current	V _R = 5V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		589		nm
λ _d	Dominant Wavelength	I _F = 20 mA		590		nm
2θ _{1/2}	Viewing Angle	I _F = 20 mA		110		Deg

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

Bin	q	r	s	t	u	v
Min.	2	3	5	7	10	15
Max.	3	5	7	10	15	22

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.