

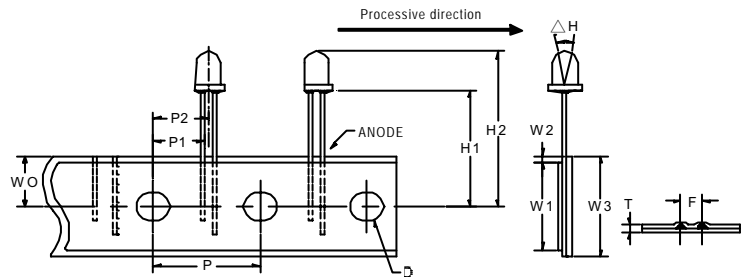


BVQ-3M60RU4 -RK

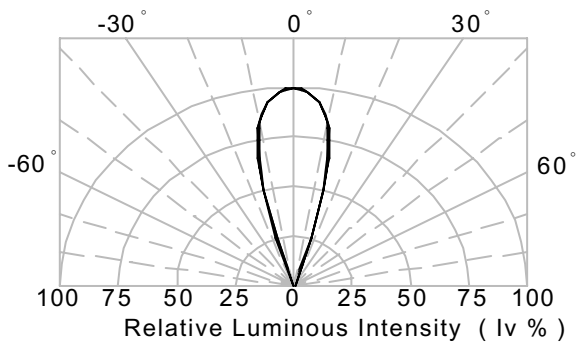
PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaAlAs/GaAlAs Red
Light Color : Red Color
Lens Color : Water Transparent
Stand-Off P/N : BVQ-3M60RU4 R-RK



RADIATION PATTERN



ITEM	SYMBOL	SPECIFICATION	
		SIZE	TOLERANCE
TAPE FEED HOLE DIAMETER	D	4.0	± 0.2
COMPONENT LEAD PITCH	F	2.54	± 0.5
FRONT-TO-REAR DEFLECTION	ΔH		MAX. 2.0
FEED HOLE PITCH	P	12.7	± 0.3
LEAD LOCATION	P1	5.33	± 0.7
CENTER OF COMPONENT LOCATION	P2	6.35	± 1.3
OVERALL TAPED PACKAGE THICKNESS	T		MAX. 1.0
FEED HOLE LOCATION	W0	9.0	± 0.5
ADHESIVE TAPE WIDTH	W1	13.0	± 0.5
ADHESIVE TAPE POSITION	W2		MAX. 4.0
TAPE WIDTH	W3	18.0	± 0.5

NOTE 1: R : Loaded quantity per reel:2000 pcs/reel
T : Loaded quantity per tape :2500 pcs/tape

ITEM	SYMBOL	NOTE 2:			
		H	K		
FEED HOLE TO BOTTOM OF COMPONENT	H1	18.5	20.4		
FEED HOLE TO OVERALL COMPONENT HEIGHT	H2	23.0	24.9		

unit:mm
Tolerance ± 0.25mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.
Power Dissipation	100
Continuous Forward Current	40
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	200
Reverse Voltage	5
Derating Linear From 50 °C	0.4
Operating Temperature Range	-40 °C to + 100 °C
Storage Temperature Range	-40 °C to + 100 °C
Lead Solder Temperature 1.6 mm Below Package	260 °C for 5 seconds

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.
V F	Forward Voltage	I F = 20 mA		2.1	2.7
I R	Reverse Current	V R = 5V			100
λ p	Peak Emission Wavelength	I F = 20 mA		660	
λ d	Dominant Wavelength	I F = 20 mA		643	
2θ 1/2	Viewing Angle	I F = 20 mA		30	

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

Bin	F	G	H	I	J	K
Min.	360	465	600	780	1000	1300
Max.	465	600	780	1000	1300	1680

Tolerance ± 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.