

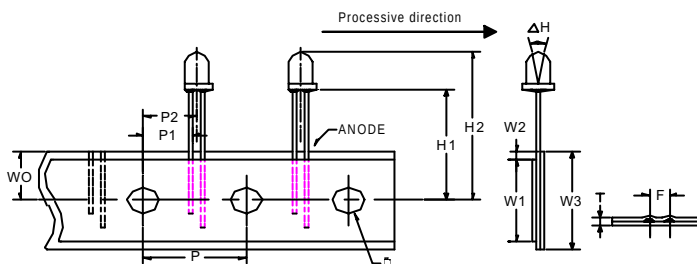


BVQ-5K5GN4 -TC

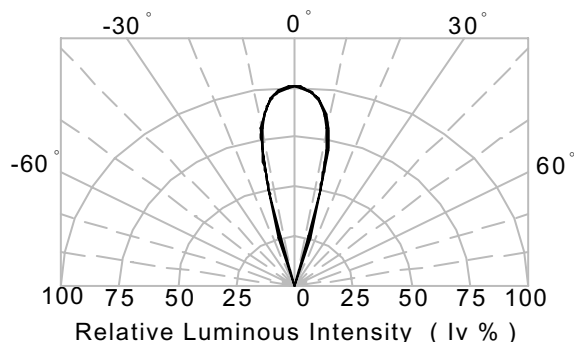
PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : GaN Green
Light Color : Green Color
Lens Color : Water Transparent
Stand-Off P/N : BVQ-5K5GN4 R-TC



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

unit: mm

NOTE 1: R : Loaded quantity per reel:1000 pcs/reel
T : Loaded quantity per tape :2000 pcs/tape

ITEM	SYMBOL	NOTE 2:				
		A	B	C	D	E
FEED HOLE TO BOTTOM OF COMPONENT	H1	18.5	19.0	19.7	21.5	22.5
FEED HOLE TO OVERALL COMPONENT HEIGHT	H2	27.1	27.6	28.3	30.1	31.1

Tolerance ± 0.25 mm

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	120	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/°C
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.	UNIT
V F	Forward Voltage	I F = 20 mA		3.3	4.0	V
I R	Reverse Current	V R= 5V			10	μ A
λ p	Peak Emission Wavelength	I F = 20 mA		520		n m
λ d	Dominant Wavelength	I F = 20 mA		525		n m
2 θ 1/2	Viewing Angle	I F = 20 mA		25		Deg

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

Bin	J	K	L	M	N	O	P	Q	R	S	T	U
Min.	1000	1300	1680	2180	2800	3600	4650	6000	7800	10000	13000	16800
Max.	1300	1680	2180	2800	3600	4650	6000	7800	10000	13000	16800	21800

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.

*These products are sensitive to static electricity. Caution must be taken strictly to avoid static electricity.