



SUNLED

SUNLED CORPORATION

20793 E. VALLEY BLVD. #C

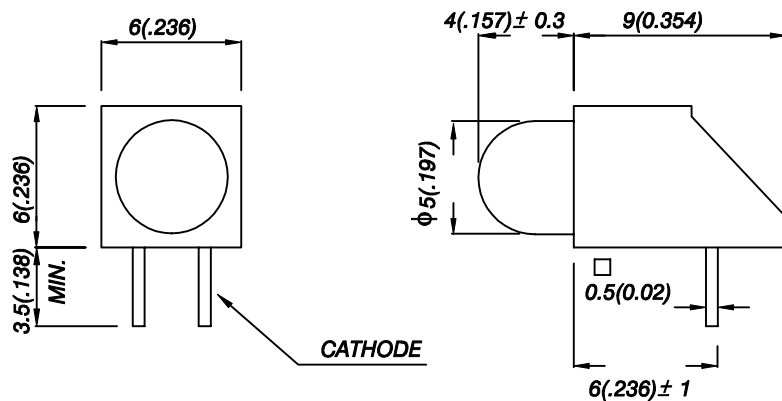
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VB1LBW50W-1

5mm Housing LED Lamps



NOTES :

1. All dimensions are in millimeters (inches)

2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.

Absolute maximum ratings ($T_A = 25^\circ\text{C}$)		WHITE (InGaN)	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	30	mA
Forward current (peak) 1/10 Duty cycle 0.1 ms Pulse Width	i_{FP}	110	mA
Power Dissipation	P_O	120	mW
Operating temperature	T_A	-40~+85	$^\circ\text{C}$
Storage temperature	T_{stg}		

Operating characteristics ($T_A = 25^\circ\text{C}$)		WHITE (InGaN)	Unit
Forward voltage (typ.) ($I_F = 20\text{mA}$)	V_F	4.0	V
Forward voltage (max.) ($I_F = 20\text{mA}$)	V_F	4.5	V
Reverse current ($V_R = 5\text{V}$)	I_R	10	μA
Chromaticity Coordinate	X	0.28	
	Y	0.29	

Part Number	Emitting Color	Emitting Material	Lens color	Luminous Intensity ($I_F = 20\text{mA}$) mcd min. max.		Viewing Angle
VB1LBW50W-1	white	InGaN	water clear	500	900	20°