



## **BF-LB55-314**

**Color: Red**

Lens: Red Diffused

Description: 3mm Round, Red, Red Diffused

- **Features**

1. Standard T-1 diameter package
2. Wide viewing angle
3. General purpose lead
4. Reliable and rugged



- **Absolute Maximum Ratings** @T<sub>A</sub>=25°C unless otherwise specified

Item	Symbol	BF-LB55-314	Unit
Power Dissipation	P <sub>d</sub>	100	mW
Forward Current	I <sub>f</sub>	50	mA
Peak Forward Current (*1)	I <sub>fP</sub>	100	mA
Operating Temperature	T <sub>opr</sub>	-40 ~ +80	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +80	°C
Soldering Temperature (*2)	T <sub>sol</sub>	260	°C

(\*1) Pulse width = 10μs, 10% Duty Cycle.

(\*2) For 5 sec.

- **Electrical and Optical Characteristics** @T<sub>A</sub>=25°C unless otherwise specified

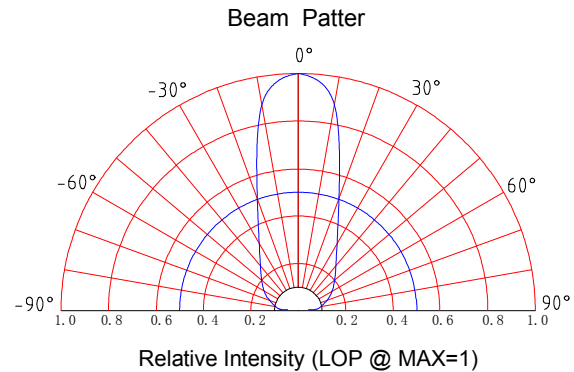
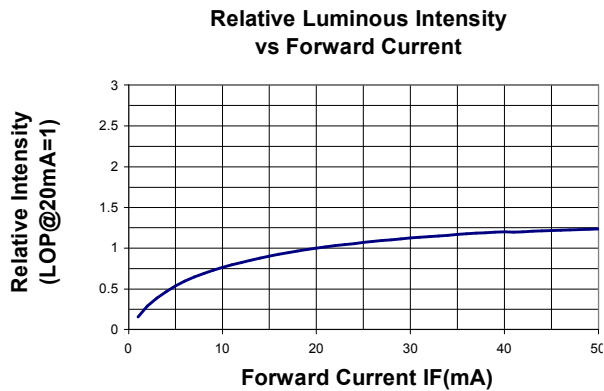
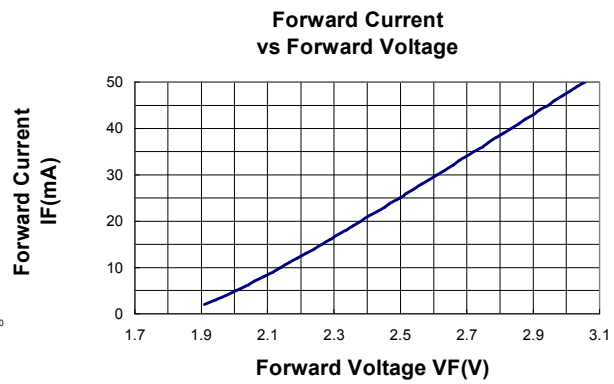
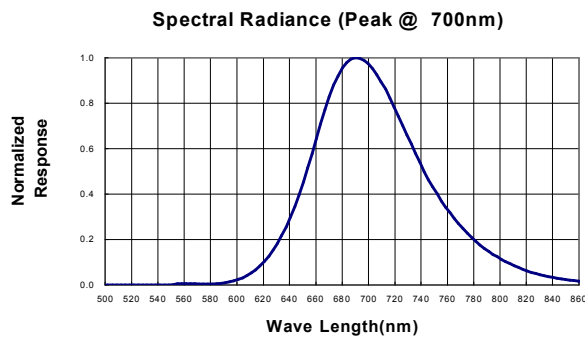
Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Peak Wavelength	λ <sub>p</sub>	695	700	705	nm	@20mA
Spectral Line Half-Width	Δλ	85	91	96	nm	@20mA
Luminous Intensity	I <sub>v</sub>	2	4	9	mcd	@20mA
Viewing Angle	2θ <sub>1/2</sub>	34	40	46	deg	(*)
Forward Voltage	V <sub>f</sub>	1.8	2.3	2.8	V	@20mA
Reverse Current	I <sub>r</sub>	–	–	100	μA	V = 5V

(\*) Viewing angle is the off-axis angle at which the luminous intensity is half the axial luminous intensity.



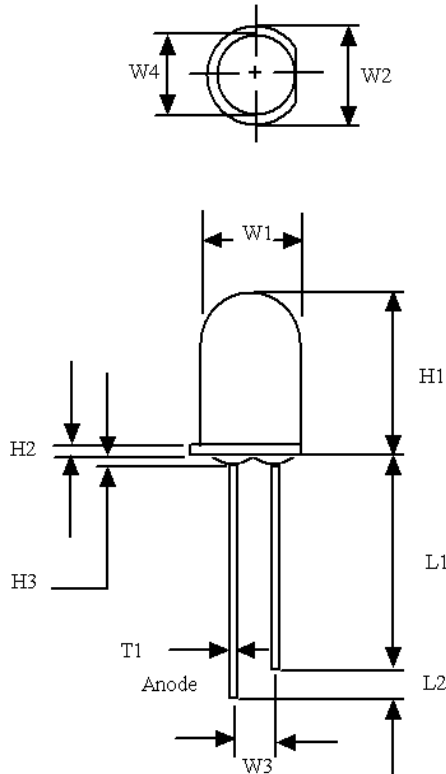
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## Electrical and Optical Curves (25°C Ambient Temperature unless Otherwise Noted)





## Package Dimensions



Symbol	mm	inch
W1	2.94	0.116
W2	3.85	0.152
W3	2.54	0.10
W4	3.0	0.118
H1	5.32	0.209
H2	1.0	0.039
H3 (Max.)	1.0	0.039
L1 (Min.)	25.4	1.0
L2 (Min.)	1.0	0.039
T1	0.5	0.0197

Tolerance:  $\pm 0.25\text{mm}(0.010\text{'})$

### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.10") unless otherwise specified.
3. Lead spacing is measured where the lead emerge from the package.
4. Specifications are subject to changes without prior notice.

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