



BF-LB55-513

Color: Red

Lens: Red Diffused

Description: 5mm Round, Red, Red Diffused



● **Absolute Maximum Ratings** @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Item	Symbol	Ratings	Unit
Power Dissipation	Pd	100	mW
Forward Current	If	20	mA
Peak Forward Current (*1)	Ifp	100	mA
Operating Temperature	Topr	-40 ~ +80	$^{\circ}\text{C}$
Storage Temperature	Tstg	-40 ~ +80	$^{\circ}\text{C}$
Soldering Temperature (*2)	Tsol	260	$^{\circ}\text{C}$

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

(*2) For 5 sec.

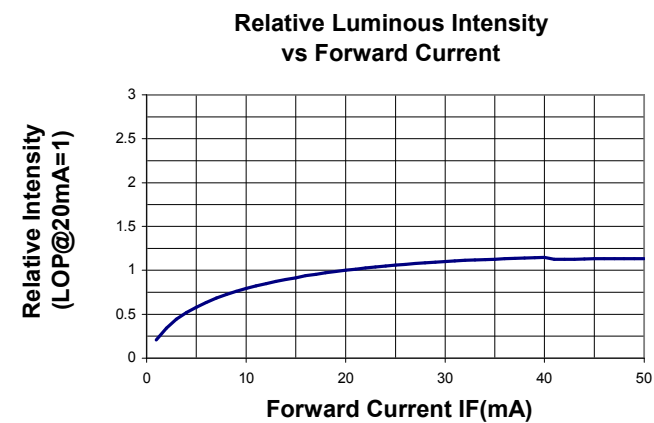
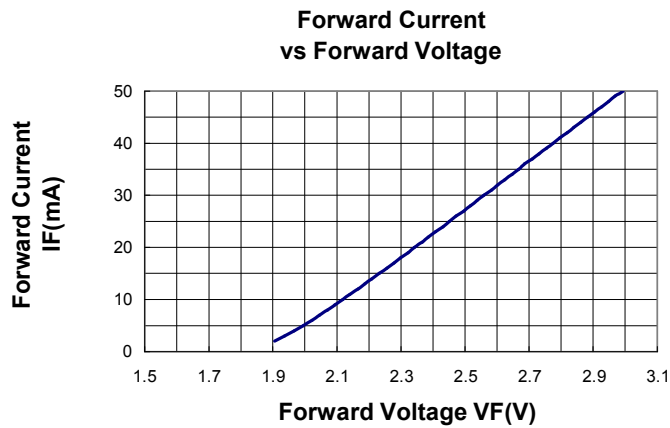
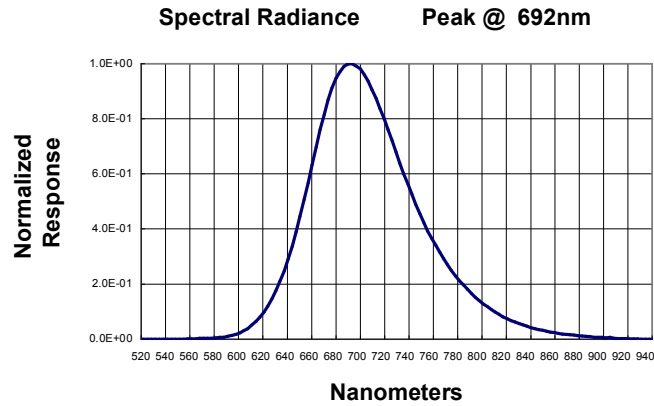
● **Electrical and Optical Characteristics** @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Peak Wavelength	λ_p	-	692	-	nm	@20mA
Spectral Line Half-Width	$\Delta\lambda$	-	90	-	nm	@20mA
Luminous Intensity	Iv	-	6	-	mcd	@20mA
Viewing Angle	$2\theta_{1/2}$	-	33	-	deg	(*)
Forward Voltage	Vf	-	2.3	2.8	V	@20mA
Reverse Current	Ir	-	-	100	μA	V = 5V

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

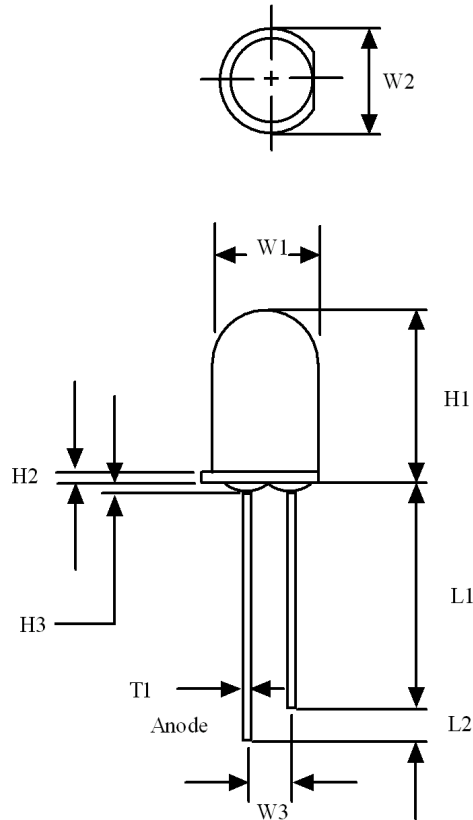


Electrical and Optical Curves
(25°C Ambient Temperature unless Otherwise Noted)





Package Dimensions



Symbol	mm	inch
W1	5.0	0.197
W2	5.9	0.232
W3	2.54	0.1
H1	8.6	0.339
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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