

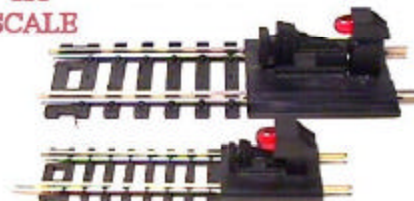
www.MoreLEDS.com
 TOLL FREE 1-866-591-7391
 Email sales@moreleds.com

Thousands of different uses

THIS IS HOW OUR LEDS LOOK
 ON ATLAS TRACK BUMPERS



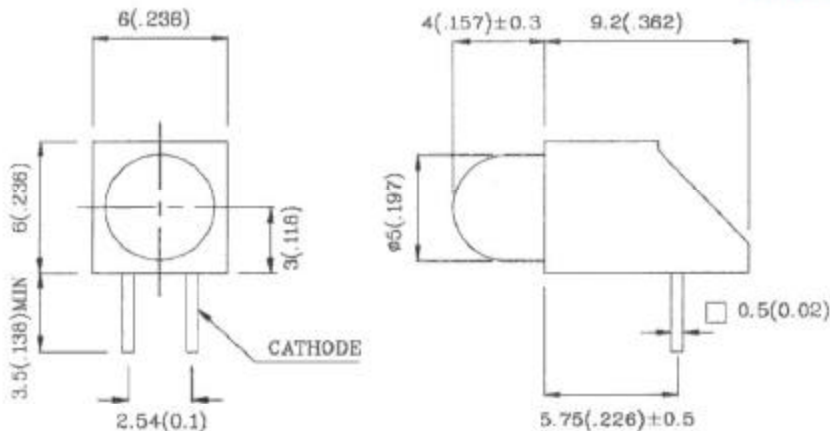
HO
 SCALE



N
 SCALE

T-1 3/4 (5mm) RIGHT ANGLE LED
 INDICATOR

XVB1LUR50D



UL RATING: 94V-0
 HOUSING MATERIAL: TYPE 66 NYLON

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		UR (GaAsP/GaP)	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	30	mA
Forward current (peak) 1/10 Duty cycle 0.1ms pulse width	i_{FS}	160	mA
Power dissipation	P_T	105	mW
Operating temperature	T_A	-40 - +85	$^\circ\text{C}$
Storage temperature	T_{stg}		
Lead solder temperature [2mm below package base]	260 $^\circ\text{C}$ For 5 Seconds		

Operating Characteristics ($T_A=25^\circ\text{C}$)		UR (GaAsP/GaP)	Unit
Forward voltage (typ.) ($I_F=10\text{mA}$)	V_F	1.9	V
Forward voltage (max.) ($I_F=10\text{mA}$)	V_{F1}	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=10\text{mA}$)	λ_{peak}	627	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_D	625	nm
Spectral Line half-width ($I_F=10\text{mA}$)	$\Delta\lambda$	45	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=10\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XVB1LUR50D	Red	GaAsP/GaP	Red Diffused	8	28	627	60 $^\circ$