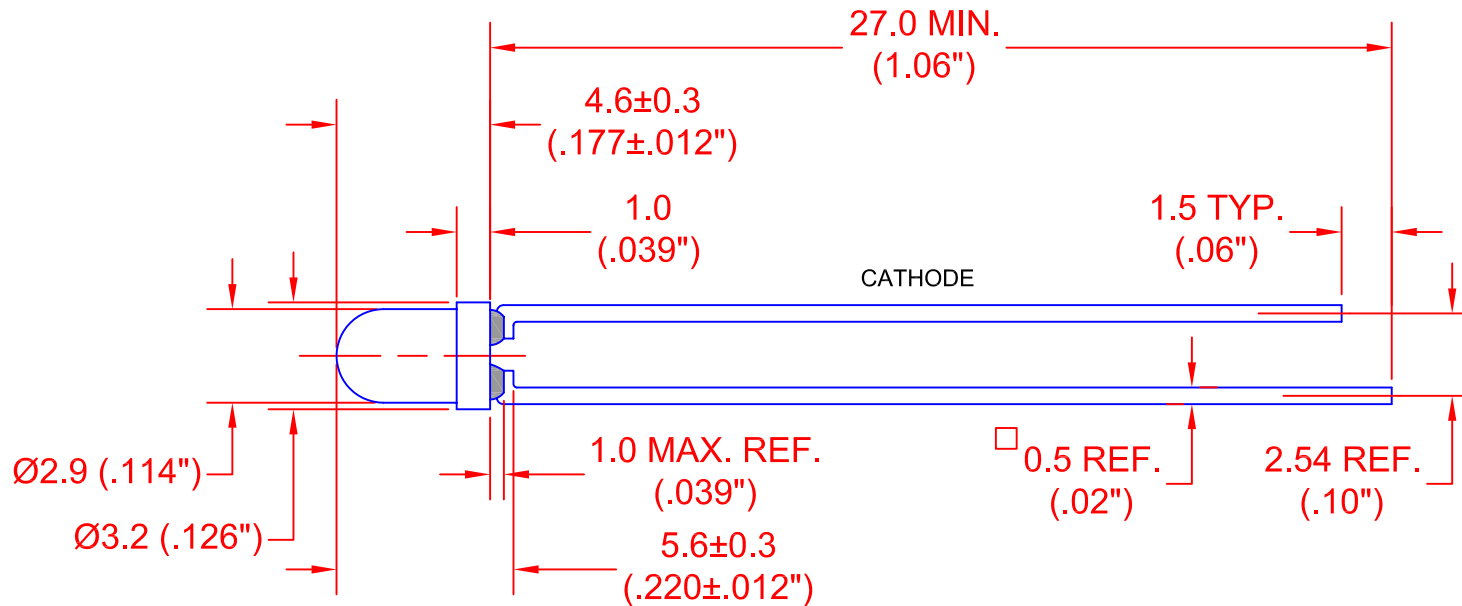


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



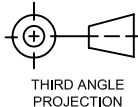
### ELECTRICAL & OPTICAL CHARACTERISTICS

JKL PART NUMBER	FORWARD VOLTAGE (DC)		FORWARD CURRENT (mA)*		OPERATING TEMP. (C)		INTENSITY mcd **		PEAK WAVELENGTH nm	COLOR		TYP. VIEWING 1/2 ANGLE DEGREE
	TYP.	MAX.	TYP.	MAX.	*MIN.	*MAX.	MIN.	TYP.		LED SOURCE (DICE)	LENS TYPE TYPE	
	<b>Z-121R/70</b>	1.85	2.2	20	25	-40	+85	50		70	660	
<b>Z-123R/500</b>	1.85	2.2	20	25	-40	+85	360	500	660	SUPER BRIGHT RED GaAlAs	WATER CLEAR	35
<b>Z-123R/1000</b>	1.85	2.2	20	25	-40	+85	700	1000	660	SUPER BRIGHT RED GaAlAs	WATER CLEAR	35

\* CONTINUOUS-DUTY RATING

\*\* INTENSITY VALUES ARE AT TYPICAL FORWARD CURRENT OF 20mA

NOTE: ELECTRO STATIC DISCHARGE PROTECTION REQUIRED WHEN HANDLING DEVICES.

<b>METRIC</b>  THIRD ANGLE PROJECTION	DIMENSIONS ARE IN MILLIMETERS (INCHES) TOLERANCE UNLESS OTHERWISE SPECIFIED $\pm 0.25\text{mm}$ $(\pm 0.01)$	<b>JKL COMPONENTS CORPORATION</b>					
	DRAWN BY L. WENGSTROM	APP'VD BY DATE L.R. 10/10/08	SIZE <b>A</b>	FSCM NO. <b>55335</b>	DRAWING NO. <b>Z-12/SUPER BRIGHT</b>	TITLE <b>T-1 (3mm) SUPER BRIGHT STRAIGHT FRAME ROUND LED LAMP</b>	
- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED			SCALE NONE	RELEASED DATE 10/10/08	REVISION DATE	REV. NO.	SHEET 1 OF 1