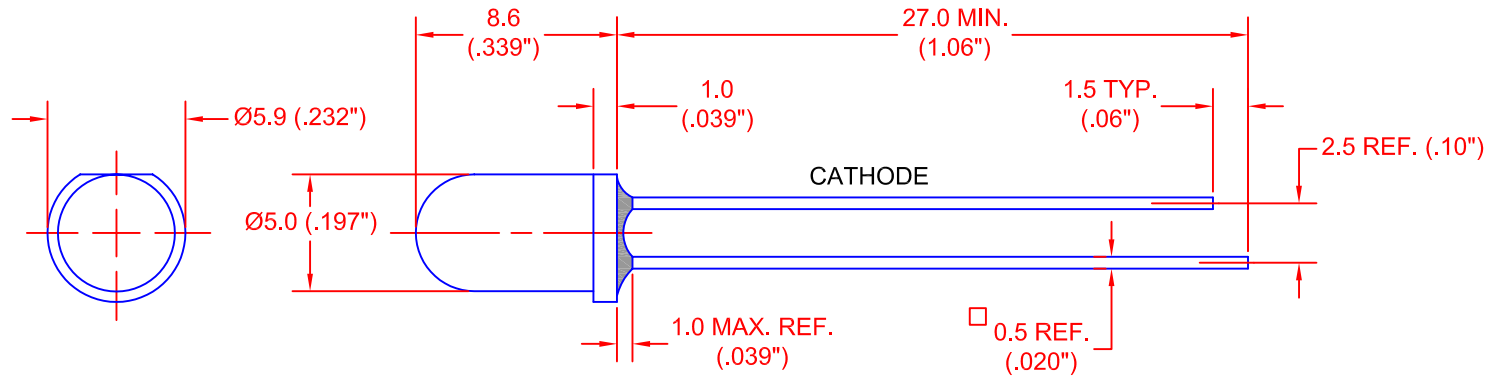


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



### 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	
Z-221RE	2.0	2.5	20.0	25.0	-40	+85	2.0	3.2	700	BRIGHT RED GaP	RED DIFFUSED	120
Z-221RH	2.0	2.5	20.0	25.0	-40	+85	8.0	20.0	625	HIGH EFFICIENCY RED GaAsP/GaP	RED DIFFUSED	120
Z-221G	2.2	2.5	20.0	25.0	-40	+85	8.0	20.0	565	GREEN GaP	GREEN DIFFUSED	120
Z-221A	2.1	2.5	20.0	25.0	-40	+85	8.0	20.0	585	AMBER GaAsP/GaP	AMPER DIFFUSED	120
Z-221O	2.0	2.6	20.0	25.0	-40	+85	8.0	20.0	610	ORANGE GaAsP/GaP	ORANGE DIFFUSED	120
Z-221Y	2.1	2.5	20.0	25.0	-40	+85	8.0	20.0	590	YELLOW GaAsP/GaP	YELLOW DIFFUSED	120
Z-222G	2.2	2.5	20.0	25.0	-40	+85	32.0	80.0	565	GREEN GaP	GREEN TRANSPARENT	16
Z-223G	2.2	2.5	20.0	25.0	-40	+85	32.0	80.0	565	GREEN GaP	WATER CLEAR	16

\* CONTINUOUS-DUTY RATING

\*\* INTENSITY VALUES ARE AT TYPICAL FORWARD CURRENT OF 10mA

NOTE: ELECTRO STATIC DISCHARGE PROTECTION REQUIRED WHEN HANDLING DEVICES.

<p>METRIC THIRD ANGLE PROJECTION</p>	<p>DIMENSIONS ARE IN MILLIMETERS (INCHES)</p> <p>TOLERANCE UNLESS OTHERWISE SPECIFIED ±0.25mm (±0.01)</p>	<p><b>JKL COMPONENTS CORPORATION</b></p>					
		<p>TITLE T-1 3/4 (5mm) STANDARD STRAIGHT FRAME ROUND LED LAMP</p>					
<p>DRAWN BY L. WENGSTROM</p>	<p>APPV'D BY L.R.</p>	<p>DATE 10/10/08</p>	<p>SIZE <b>A</b></p>	<p>FSCM NO. <b>55335</b></p>	<p>DRAWING NO. <b>Z-22</b></p>		
<p>- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED</p>			<p>SCALE NONE</p>	<p>RELEASED DATE 10/10/08</p>	<p>REVISION DATE</p>	<p>REV. NO.</p>	<p>SHEET 1 OF 1</p>