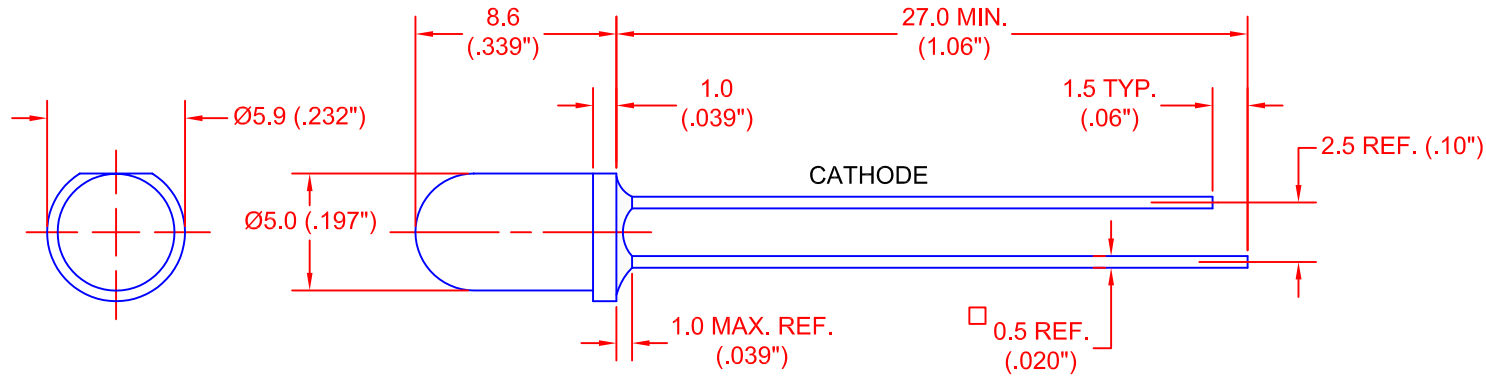


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



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-221R/250	1.85	2.5	20	25	-40	+85	200	250	660	SUPER BRIGHT RED GaAIAs	RED DIFFUSED	120
Z-221R/500	1.85	2.5	20	25	-40	+85	300	500	660	SUPER BRIGHT RED GaAIAs	RED DIFFUSED	120
Z-222G/300	2.2	2.5	20	25	-40	+85	200	300	565	SUPER BRIGHT GREEN GaP	GREEN TRANSPARENT	30
Z-223R/1000	1.85	2.5	20	25	-40	+85	510	1000	660	SUPER BRIGHT RED GaAIAs	WATER CLEAR	30
Z-223R/2000	1.85	1.85	20	25	-40	+85	1000	2000	660	SUPER BRIGHT RED GaAIAs	WATER CLEAR	30
Z-223R/3500	1.85	1.85	20	25	-40	+85	2000	3500	660	SUPER BRIGHT RED GaAIAs	WATER CLEAR	30
Z-223G/200	2.2	2.5	20	25	-40	+85	100	200	565	SUPER BRIGHT GREEN GaP	WATER CLEAR	30
Z-223Y/2500	2.2	2.5	20	25	-40	+85	700	2500	595	SUPER BRIGHT YELLOW InGaAlP	WATER CLEAR	30

* CONTINUOUS-DUTY RATING

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

NOTE: ELECTRO STATIC DISCHARGE PROTECTION REQUIRED WHEN HANDLING .

<p>METRIC THIRD ANGLE PROJECTION</p>	<p>DIMENSIONS ARE IN MILLIMETERS (INCHES)</p> <p>TOLERANCE UNLESS OTHERWISE SPECIFIED ±0.25mm (±0.01)</p>	<p>JKL COMPONENTS CORPORATION</p>			
		<p>TITLE T-1 3/4 (5mm) SUPER BRIGHT 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 A</p>	<p>FSCM NO. 55335</p>	<p>DRAWING NO. Z-22 SUPER BRIGHT</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>