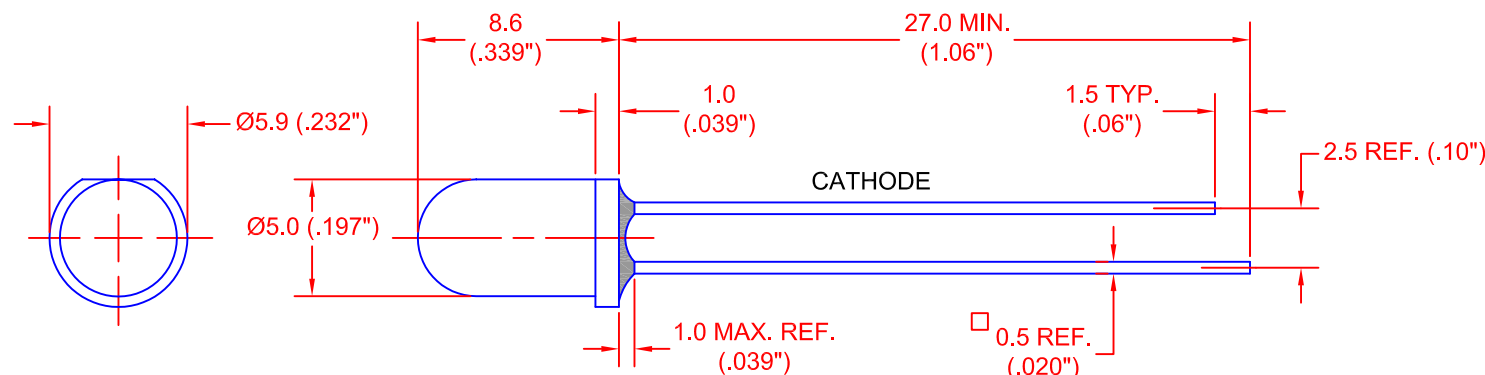


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



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.

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