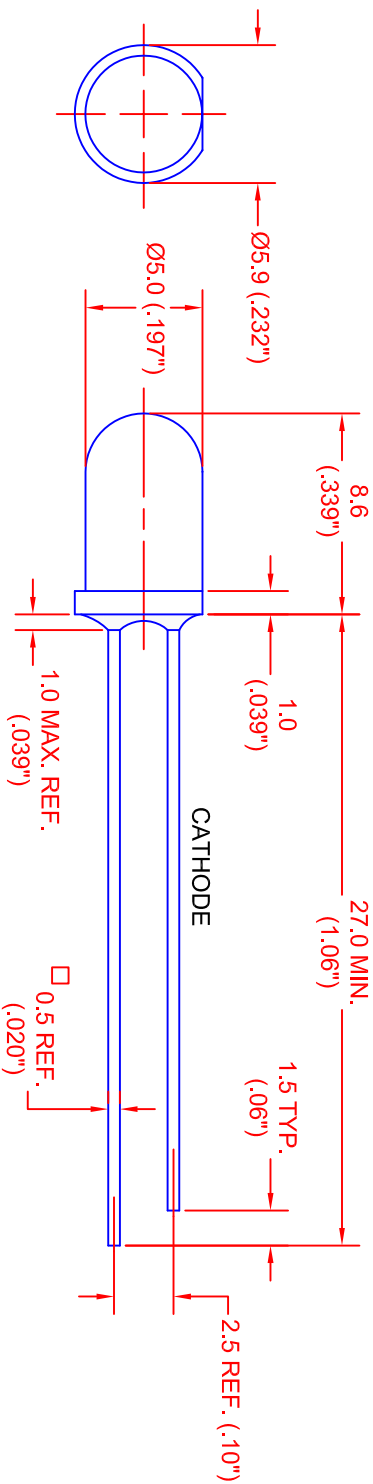


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



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 GaAlAs	RED DIFFUSED	120
Z-221R/500	1.85	2.5	20	25	-40	+85	300	500	660	SUPER BRIGHT RED GaAlAs	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 GaAlAs	WATER CLEAR	30
Z-223R/2000	1.85	1.85	20	25	-40	+85	1000	2000	660	SUPER BRIGHT RED GaAlAs	WATER CLEAR	30
Z-223R/3500	1.85	1.85	20	25	-40	+85	2000	3500	660	SUPER BRIGHT RED GaAlAs	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 InGaIP	WATER CLEAR	30

* CONTINUOUS-DUTY RATING
** INTENSITY VALUES ARE AT TYPICAL FORWARD CURRENT OF 20mA
NOTE: ELECTRO STATIC DISCHARGE PROTECTION REQUIRED
WHEN HANDLING .

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