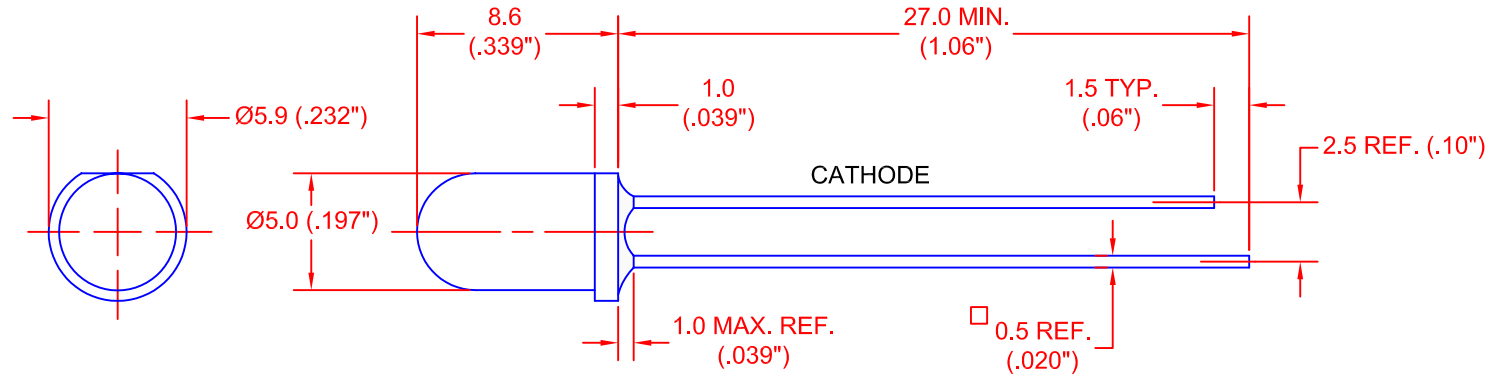


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/14/08



ELECTRICAL & OPTICAL CHARACTERISTICS

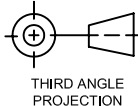
JKL PART NUMBER	FORWARD VOLTAGE (DC)		FORWARD CURRENT (mA)*		OPERATING TEMP. (C)		INTENSITY mcd**		PEAK WAVELENGTH nm	COLOR		TYP. VIEWING 1/2 ANGLE DEGREE
	TYP.	MAX.	TYP.	MAX.	MIN.	MAX.	MIN.	TYP.		LED SOURCE (DICE)	LENS TYPE TYPE	
	Z-221RH-12V	12	20	11	20	-40	+85	20.0		80.0	625	

* CONTINUOUS-DUTY RATING

** INTENSITY VALUES ARE AT TYPICAL FORWARD VOLTAGE OF 12V

NOTE: LED PACKAGE HAS A BUILT-IN RESISTOR FOR CURRENT LIMITING.
THIS DEVICE CAN BE CONNECTED TO 12 TO 20 VOLTS DC DIRECTLY WITH NO EXTERNAL CURRENT LIMITING USED.

ELECTRO STATIC DISCHARGE PROTECTION REQUIRED WHEN HANDLING DEVICES.

METRIC  THIRD ANGLE PROJECTION	DIMENSIONS ARE IN MILLIMETERS (INCHES)	JKL COMPONENTS CORPORATION TITLE T-1 3/4 (5mm) STANDARD STRAIGHT FRAME ROUND LED LAMP WITH BUILT-IN CURRENT LIMITING RESISTOR					
	TOLERANCE UNLESS OTHERWISE SPECIFIED ±0.25mm (±0.01)						
DRAWN BY L. WENGSTROM	APPV'D BY DATE L.R. 10/14/08	SIZE A	FSCM NO. 55335	DRAWING NO. Z-221RH-12V			
- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED		SCALE NONE	RELEASED DATE 10/14/08	REVISION DATE	REV. NO.	SHEET 1 OF 1	