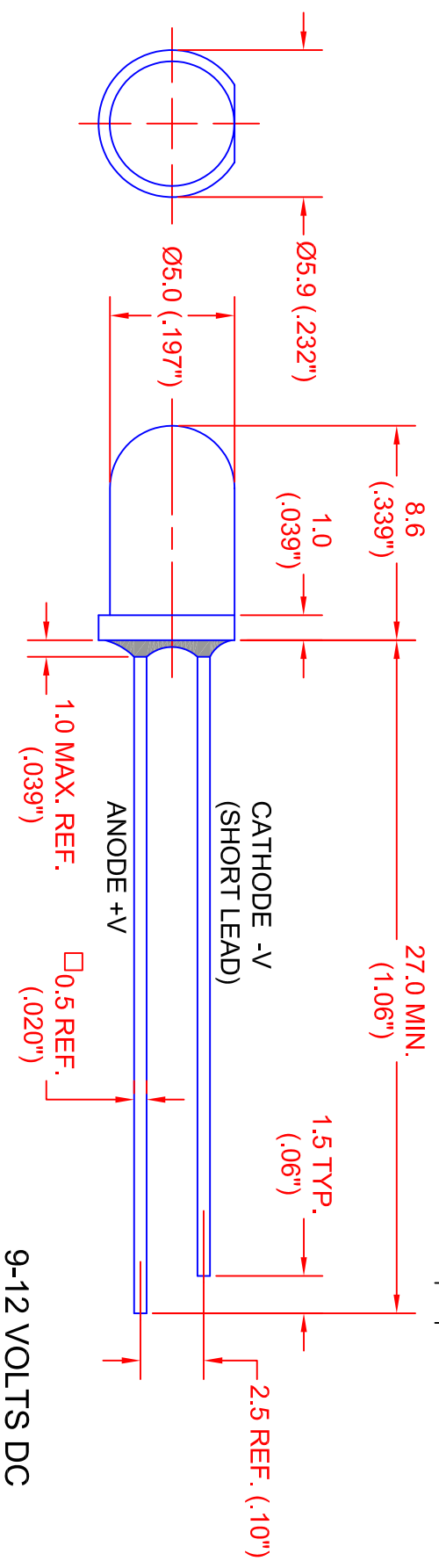


REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED TO CAD	12/16/08



9-12 VOLTS DC

**ELECTRICAL & OPTICAL CHARACTERISTICS**

JKL PART NUMBER	FORWARD VOLTAGE (DC)		FORWARD CURRENT (mA)*		OPERATING TEMP. (C)		INTENSITY mcd**		PEAK WAVELENGTH nm	COLOR LED SOURCE (DICE)	LENS TYPE
	TYP.	MAX.	TYP.	MAX.	*MIN.	*MAX.	MIN.	TYP.			
ZP-221RE	9	14	22	44	-40	+70	1.2	2.0	660	BRIGHT RED Gap	RED DIFFUSED
ZP-221RH	9	14	22	44	-40	+70	5.0	12.5	625	HIGH INTENSITY GaAsP/Gap	RED DIFFUSED
ZP-221G	9	14	22	44	-40	+70	3.2	8.0	568	GREEN Gap	GREEN DIFFUSED
ZP-221Y	9	14	22	44	-40	+70	5.0	12.5	588	YELLOW GaAsP/Gap	YELLOW DIFFUSED

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

		<b>METRIC</b> DIMENSIONS ARE IN MILLIMETERS (INCHES)		<b>JKL COMPONENTS CORPORATION</b>	
DRAWN BY L. WENGSTROM	DATE 12/16/08	APP'D BY L.R.	DATE 12/16/08	TITLE T-1 3/4 (5mm) PULSING, SUPER BRIGHT, STRAIGHT FRAME ROUND LED LAMP	FSCM NO. 55335
TOLERANCE UNLESS OTHERWISE SPECIFIED (+0.25mm (+0.01))		SCALE NONE		DRAWING NO. ZP-22	REV. NO. 1 OF 1
- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED		RELEASED DATE 12/16/08		SHEET 1 OF 1	