



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

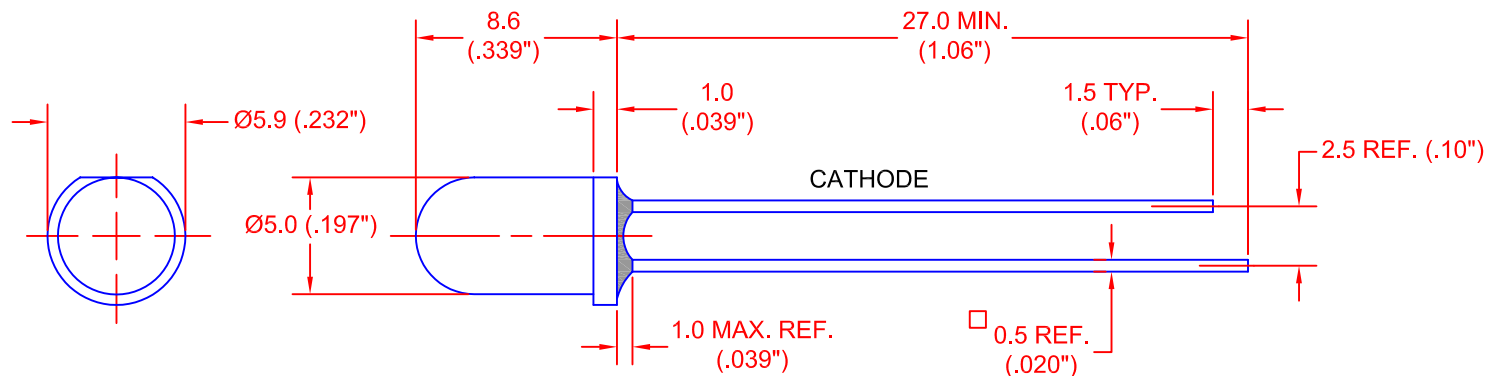
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REV.	DESCRIPTION/ECO NO.	DATE
	RELEASED	10/10/08



### 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.

<p>METRIC THIRD ANGLE PROJECTION</p>	DIMENSIONS ARE IN MILLIMETERS (INCHES) TOLERANCE UNLESS OTHERWISE SPECIFIED ±0.25mm (±0.01)	<b>JKL COMPONENTS CORPORATION</b>			
	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