



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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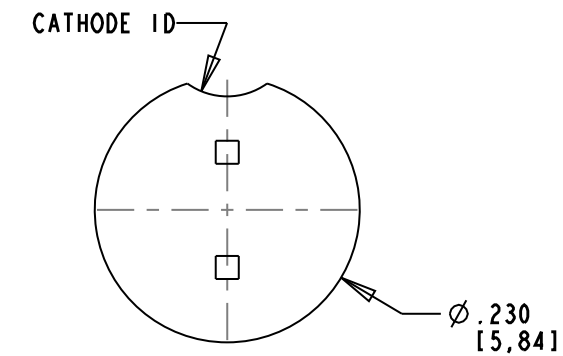
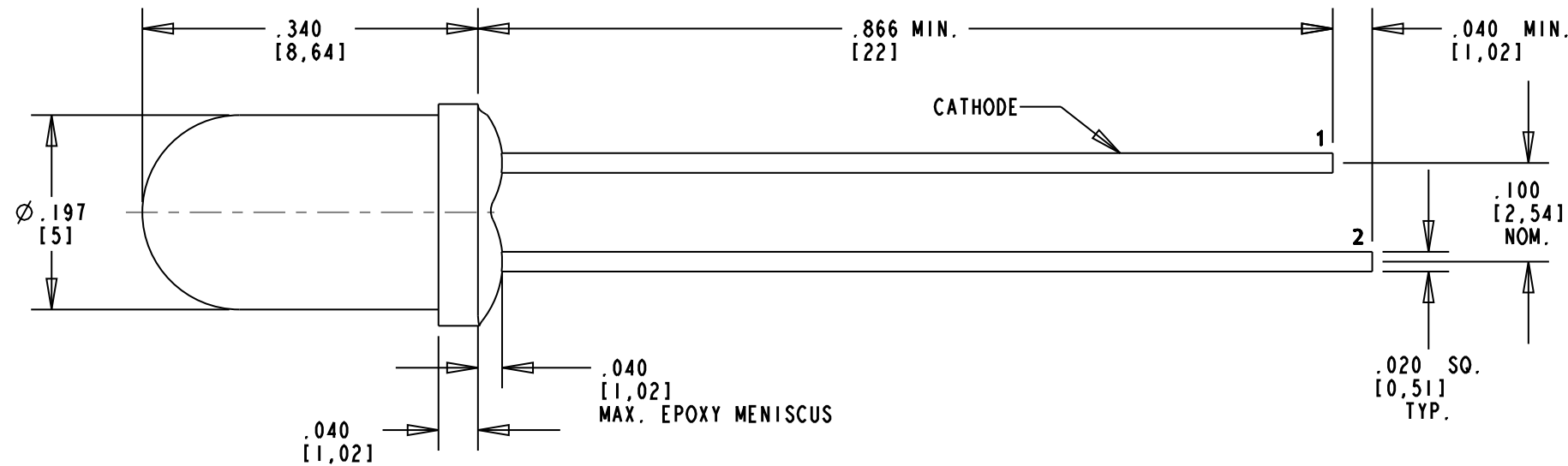
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**RoHS COMPLIANT 521-9248F**  
 Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	SM	MES	NO	7-30-07
B	—	ADDED NOTES 2, 3, 5 & 6; DELETED NOTE 2; ADDED LED SCHEMATIC & ESDS LOGO; UPDATED SPECS & LED MODEL	AJF	KLJ	NO	1-7-11

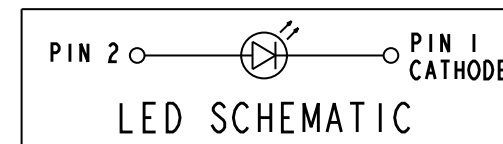


**NOTES:**

1. DIALIGHT PART NUMBER: 521-9248F.
2. LED COLOR: YELLOW.
3. LENS COLOR: YELLOW DIFFUSED.
4. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
5. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	12.6	29.0	40.0	mc d	I <sub>f</sub> = 10mA
PEAK WAVELENGTH		585		nm	
DOMINANT WAVELENGTH	585	590	595	nm	
FORWARD VOLTAGE		2.1	2.6		I <sub>f</sub> = 20mA
REVERSE CURRENT			100	μA	V <sub>r</sub> = 5V
VIEWING ANGLE		50		DEGREES	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	52	mW
LINEAR DERATING FROM 50°C	0.25	mA/°C
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	60	mA
CONTINUOUS FORWARD CURRENT	20	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C
LEAD SOLDERING TEMPERATURE FOR 5 SEC. (.0787" [2mm] FROM BODY)	260	°C



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: 6.000 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17471	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 5 mm LED YELLOW DIFFUSED RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1		FAMILY TABLE: