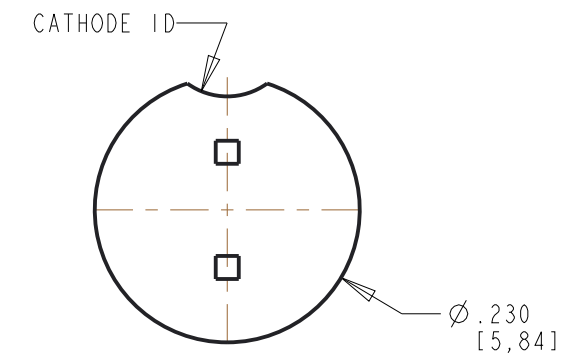
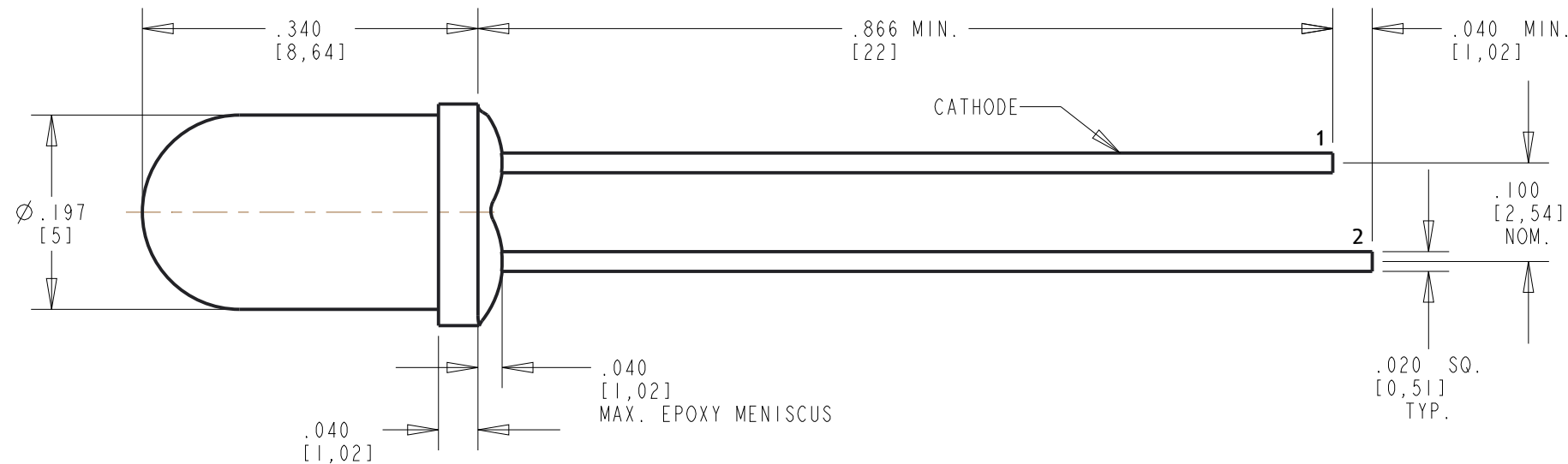


RoHS COMPLIANT 521-9248F

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
C	—	UPDATED LED SPECS LUMINOUS INT WAS 12.6 MIN, 29 TYP & 40 MAX, OPERATING AND STORAGE TEMP WAS -55 TO +100	LD		NO	4-13-22



NOTES:


- DIALIGHT PART NUMBER: 521-9248F.
- LED COLOR: YELLOW.
- LENS COLOR: YELLOW DIFFUSED.
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- 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	19	40	90	mc d	I _F = 10mA
PEAK WAVELENGTH		585		nm	
DOMINANT WAVELENGTH	585	590	595	nm	
FORWARD VOLTAGE		2.1	2.6		I _F = 20mA
REVERSE CURRENT			100	μA	V _R = 5V
VIEWING ANGLE		50		DEGREES	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	52	mW
LINEAR DERATING FROM 50°C	0.27	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	-40 TO +85	°C
STORAGE TEMPERATURE	-40 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 CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.		
SCALE: 6.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17471	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5 mm LED YELLOW DIFFUSED RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL	
FINISH		
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
SHEET 1 OF 1	FAMILY TABLE:	