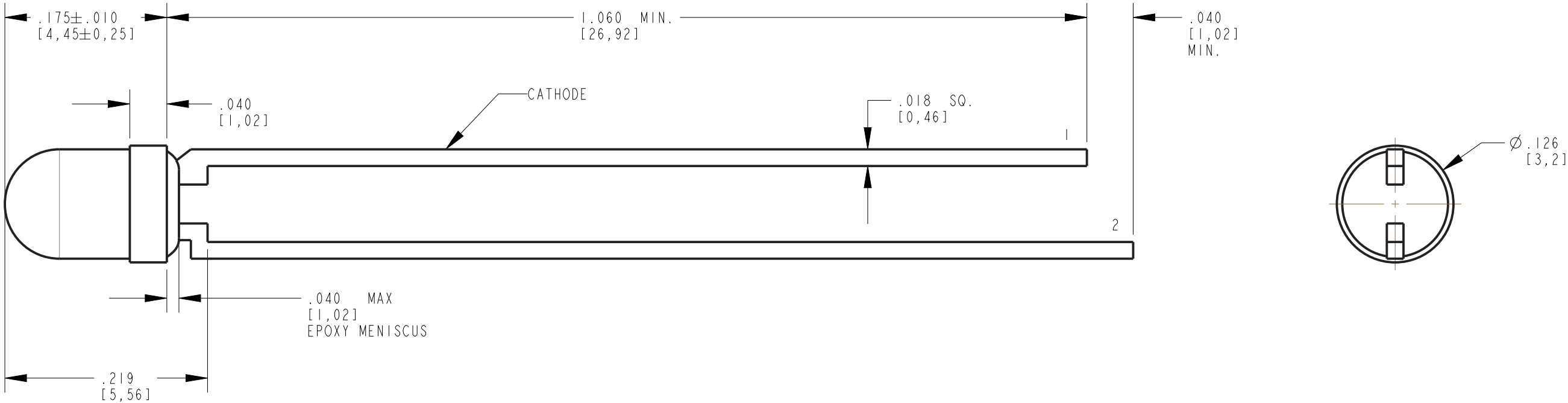


RoHS COMPLIANT 521-9498F

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	AJF	KLJ	NO	11-5-09
B	—	LED INTENSITY UPDATE	JTD	MES	NO	2-17-14
C	130204	LED SPECS UPDATE	LD	CS		5-8-25



OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	19		50	mcd	I _F = 10 mA
FORWARD VOLTAGE	1.6	2.1	2.6	V	I _F = 20 mA
REVERSE CURRENT			100	mA	V _R = 5 V
PEAK WAVELENGTH		610		nm	
VIEWING ANGLE		60		DEG.	I _F = 10 mA
DOMINANT WAVELENGTH	598	603	615	nm	



ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		
CHARACTERISTIC	VALUE	UNITS
POWER DISSIPATION	60	mW
DERATE LINEARLY FROM 50°C	0.38	mA/°C
AVERAGE FORWARD CURRENT	20	mA
PEAK FORWARD CURRENT	90	mA
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE	260	°C
OPERATING TEMPERATURE	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C

NOTES:

1. DIE: GaAsP/GaP ORANGE
2. EPOXY COLOR: ORANGE DIFFUSED
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. PIN NUMBERS FOR REEFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
5. DIALIGHT PART NUMBER: 521-9498F
6. PACKAGING: BULK
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.



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: 8.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17794	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	MATERIAL
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	Ø3mm ORANGE LED RoHS COMPLIANT	-
FINISH		
FSCM 83330		
	SHEET 1 OF 1	FAMILY TABLE: