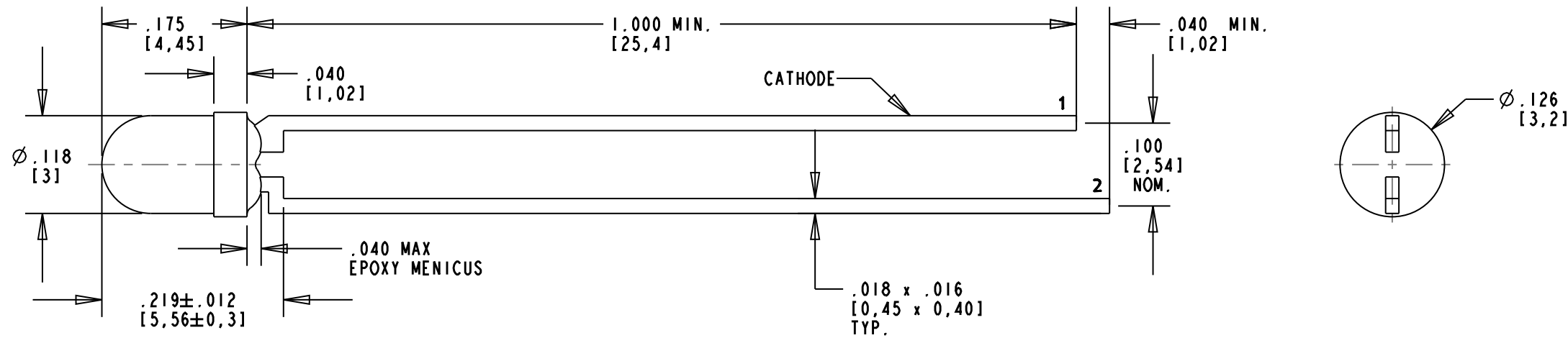


**RoHS COMPLIANT 521-9918F**  
 Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	JAV	YIS	N.O.	9-23-03
B	—	LUMINOUS INTENSITY 110 MIN 310 MAX WAS 240 MIN 680 MAX; ADDED 521-9918F RoHS COMPLIANT P/N & RoHS COMPLIANT NOTE; ADDED ESD NOTE & LOGO	TWC	TC	N.O.	7-12-05
C	—	UPDATED LED SPECS	KLJ	NO	MES	2-7-08
D	—	UPDATED LED SPECS; ADDED LED SCHEMATIC; ADDED PIN NUMBERS; ADDED NOTE 4; REVISED NOTE 5; DELETED NOTE 6; ADDED RoHS NOTE; REVISED DIMENSIONS	AJF	KLJ	NO	3-29-11

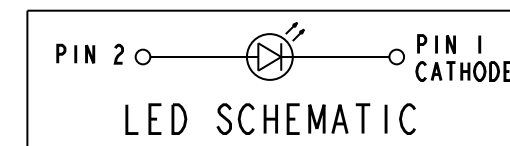


**NOTES:**

1. LENS COLOR: WATER CLEAR (NON-TINTED, NON-DIFFUSED).
2. DIE: InGaN BLUE
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
5. DIALIGHT PART NUMBER: 521-9918F.
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	310	520	880	mc d	I <sub>F</sub> = 20 mA
PEAK WAVELENGTH		468		nm	
DOMINANT WAVELENGTH	465	470	475	nm	
FORWARD VOLTAGE		3.3	3.8	V	I <sub>F</sub> = 20 mA
REVERSE CURRENT			100	μA	V <sub>R</sub> = 5 V
VIEWING ANGLE		45		DEGREE	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	120	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	100	mA
CONTINUOUS FORWARD CURRENT	30	mA
LINEAR DERATING FROM 30°C	0.50	mA/°C
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE (.078" [2mm] FROM BODY) FOR 5 SEC.	260	°C
OPERATING TEMPERATURE	-40 TO +85	°C
STORAGE TEMPERATURE	-40 TO +100	°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-17092	REV D
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010	TITLE Ø3mm BLUE LED, WATER CLEAR	
ANGLES: ±1°	MATERIAL	
FINISH:	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: