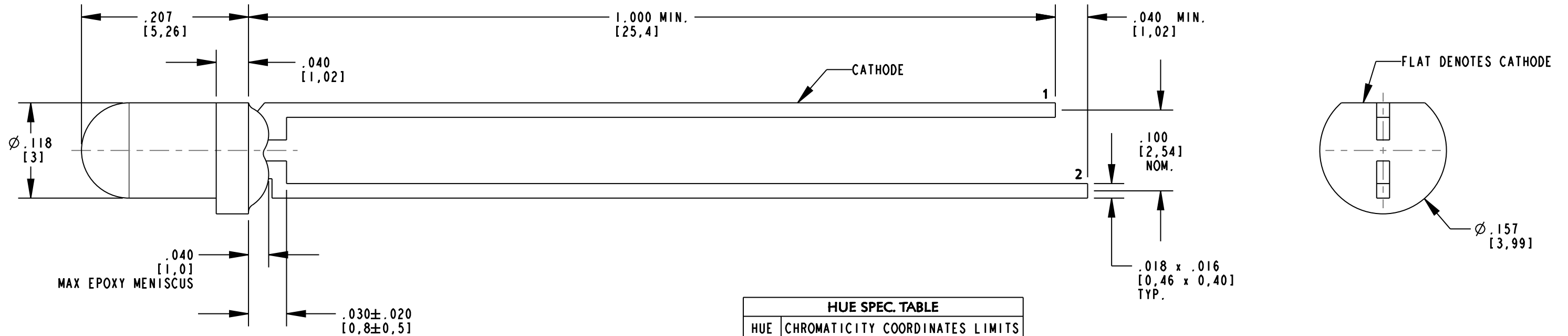


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	AJF	KLJ	NO	2-25-11

**RoHS COMPLIANT 521-8268F**

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.



HUE SPEC. TABLE					
HUE RANK	CHROMATICITY COORDINATES LIMITS				
	I <sub>f</sub> = 20mA				
A1	X	0.2500	0.2700	0.2700	0.2500
	Y	0.2175	0.2455	0.2780	0.2500
A2	X	0.2500	0.2700	0.2700	0.2500
	Y	0.1850	0.2130	0.2455	0.2175
B1	X	0.2700	0.2900	0.2900	0.2700
	Y	0.2455	0.2735	0.3060	0.2785
B2	X	0.2700	0.2900	0.2900	0.2700
	Y	0.2130	0.2410	0.2735	0.2455
C1	X	0.2900	0.3100	0.3100	0.2900
	Y	0.2735	0.3030	0.3355	0.3060
C2	X	0.2900	0.3100	0.3100	0.2900
	Y	0.2410	0.2705	0.3030	0.2735

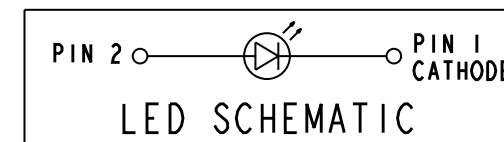
COLOR COORDINATES MEASUREMENT ALLOWANCE IS ±0.01

NOTES:

- DIALIGHT PART NUMBER: 521-8268F.
- LED COLOR: InGaN WHITE.
- EPOXY COLOR: WATER CLEAR.
- 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	5500	9300	12000	mcd	I <sub>f</sub> = 20 mA
FORWARD VOLTAGE	2.7	3.3	3.6	V	I <sub>f</sub> = 20 mA
REVERSE CURRENT	—	—	10	μA	V <sub>r</sub> = 5 V
VIEWING ANGLE	—	25	—	DEGREE	
CHROMATICITY COORDINATES	X	—	0.30	—	I <sub>f</sub> = 20 mA SEE HUE SPEC. TABLE
	Y	—	0.30	—	

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	0.5	mA/°C
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE (.080" [2.0mm] FROM BODY) FOR 5 SEC.	260	°C
OPERATING TEMPERATURE	-30 TO +80	°C
STORAGE TEMPERATURE	-40 TO +100	°C



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: 8.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17906	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø 3mm WHITE LED, WATER CLEAR	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XXX): ±.010	-	
ANGLES: ±1°	-	
FINISH:	-	
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1	FAMILY TABLE:	