

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.

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.

.040 [1,02] MAX. EPOXY MENISCUS

.040 [1,02] NOM.

$.126 \pm .010$  [9,34 ± 0,25]

$.118 \pm .010$  [3,00 ± 0,25]

.185 [4,70]  
.165 [4,19]

$.219 \pm .012$  [5,55 ± 0,30]

CATHODE

1.00 MIN [25,4]

$.018 \times .016$  [0,45 x 0,40] TYP.

.040 MIN. [1,01]

.100 NOM. [2,54]


1. LENS COLOR: WATER CLEAR (NON-TINTED, NON-DIFFUSED).
2. DIE: InGaN WHITE
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. DIALIGHT PART NUMBER: 521-9901-802F
5. 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	400	1100	1900	mc d	I <sub>F</sub> = 20mA
FORWARD VOLTAGE		3.5	4.0	V	I <sub>F</sub> = 20mA
REVERSE CURRENT			100	μA	V <sub>R</sub> = 5V
VIEWING ANGLE (2θ 1/2)		45		DEG	



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

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	120	mW
LINEAR DERATION FROM 55°C	0.7	mA/°C
FORWARD DC CURRENT	30	mA
PEAK FORWARD CURRENT ( $\leq 1/10$ DUTY CYCLE $T_W \leq 10$ msec.)	100	mA
REVERSE VOLTAGE @ $I_R = 100\mu A$	5	V
OPERATING TEMPERATURE	-25 TO +80	°C
STORAGE TEMPERATURE	-30 TO +100	°C
DIP-DRAW SOLDER TEMPERATURE - WAVE SOLDERING TEMP.	260 FOR 5 SEC.	°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: 10.000	DRAWING NUMBER  C-17559	REV  C
ALL DIM'S IN: INCHES (MM)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE      3mm InGaN WHITE LED COLOR BINS A3,A4,B3,B4,C3,C4,D3,D4 MATERIAL	
FRACTIONS: $\pm 1/64$		
DECIMALS (.XX): $\pm .01$		
DECIMALS (.XXX): $\pm .005$		
DECIMALS (.XXXX): $\pm .0005$		
ANGLES: $\pm 1^\circ$		
FINISH:		
FSCM      83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET    I    OF    I    FAMILY TABLE:		