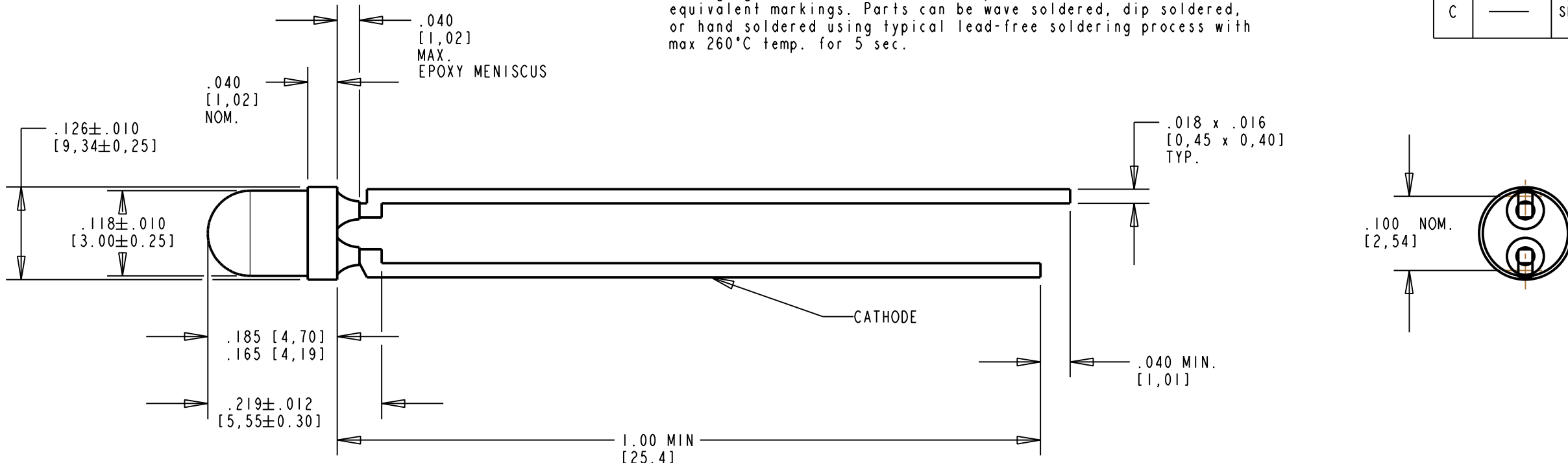


RoHS Compliant 521-9901-802F

Part Numbers with the "F" suffix ending are RoHS Compliant.
 Example: 521-9901-802F
 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	KLJ	N.O.	MES	11-6-07
B	—	COLOR COORDIANTE TOLERANCE "±0.01" WAS "±.001".	KLJ	N.O.	TC	5-8-08
C	—	COLOR BINS 50,60, AND 70 WERE SEPARATED INTO HALF BINS A3,A4, B3,B4,C3,C4,D3, AND D4.	KLJ			



NOTES:

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.

INTENSITY BIN	MIN	MAX
LM	400	680
NP	680	1150
QR	1150	1900

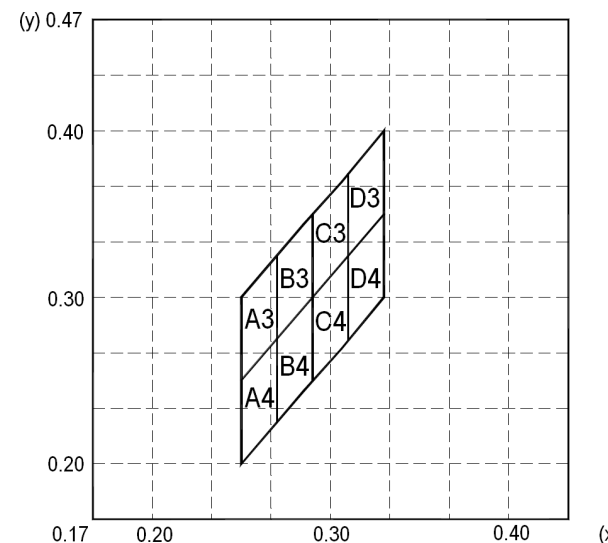
LUMINOUS INTENSITY MEASUREMENTS ALLOWANCE IS 15%

BIN	LIMITS (CHROMATICITY COORDINATES)				
A3	X	.270	.270	.250	.250
	Y	.275	.325	.300	.250
A4	X	.270	.250	.250	.270
	Y	.275	.250	.200	.225
B3	X	.290	.290	.270	.270
	Y	.300	.350	.325	.275
B4	X	.290	.270	.270	.290
	Y	.300	.275	.225	.250
C3	X	.310	.310	.290	.290
	Y	.325	.375	.350	.300
C4	X	.310	.290	.290	.310
	Y	.325	.300	.250	.275
D3	X	.330	.330	.310	.310
	Y	.350	.400	.375	.325
D4	X	.330	.310	.310	.330
	Y	.350	.325	.275	.300

COLOR COORDINATES MEASUREMENT ALLOWANCE IS ±0.01

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	400	1100	1900	mcd	I _F = 20mA
FORWARD VOLTAGE		3.5	4.0	V	I _F = 20mA
REVERSE CURRENT			100	μA	V _R = 5V
VIEWING ANGLE (2θ 1/2)		45		DEG	

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 (≤ 1/10 DUTY CYCLE TW ≤ 10 msec.)	100	mA
REVERSE VOLTAGE @ I _R = 100μA	5	V
OPERATING TEMPERATURE	-25 TO +80	°C
STORAGE TEMPERATURE	-30 TO +100	°C
DIP-DRAG SOLDER TEMPERATURE - WAVE SOLDERING TEMP.	260 FOR 5 SEC.	°C



ATTENTION:
 OBSERVE PRECAUTIONS FOR
 HANDLING ELECTROSTATIC
 SENSITIVE DEVICES

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SCALE: 10.000 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17559	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3mm InGaN WHITE LED COLOR BINS A3,A4,B3,B4,C3,C4,D3,D4	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
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