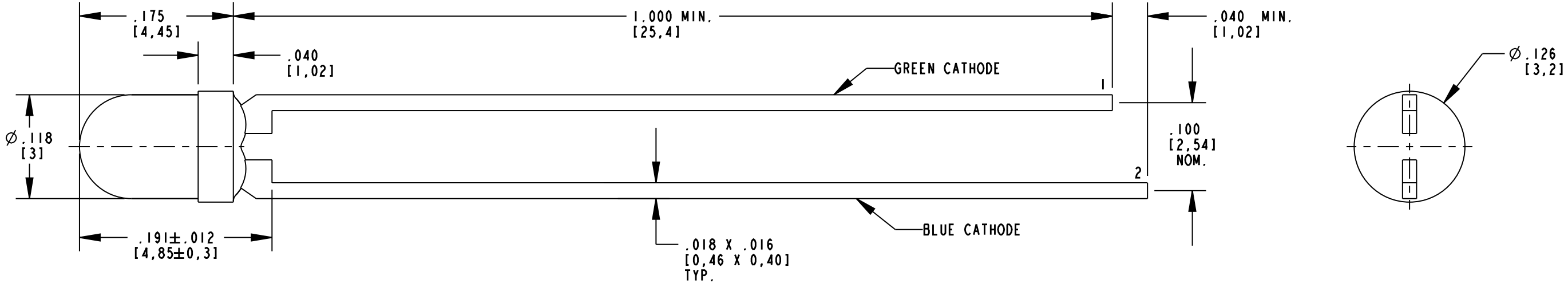


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	AJF	KLJ	NO	6-25-10

RoHS COMPLIANT 521-8012F

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.

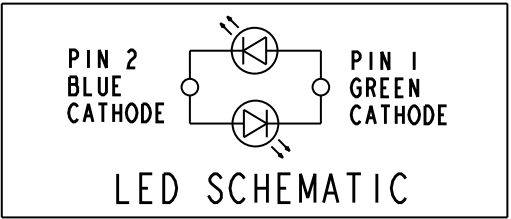


OPERATING CHARACTERISTICS AT 25°C AMBIENT						
LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	6.5	14.0		mcd	I _F = 20 mA
	BLUE	3.8	8.5			
PEAK WAVELENGTH	GREEN		565		nm	
	BLUE		428			
DOMINANT WAVELENGTH	GREEN		569		nm	
	BLUE		465			
FORWARD VOLTAGE	GREEN		2.1	2.5	V	I _F = 20 mA
	BLUE		4.0	4.8		
VIEWING ANGLE	ALL		60		DEGREE	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR		UNITS
	GREEN	BLUE	
POWER DISSIPATION	75	100	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	90	50	mA
CONTINUOUS FORWARD CURRENT	30	20	mA
LINEAR DERATING FROM 50°C FOR GREEN / 30°C FOR BLUE	0.4	0.3	mA/°C
LEAD SOLDERING TEMPERATURE (.063" [1.6mm] FROM BODY) FOR 5 SEC.	260		°C
OPERATING TEMPERATURE	-20 TO +80		°C
STORAGE TEMPERATURE	-30 TO +100		°C

NOTES:

1. EPOXY COLOR: WHITE DIFFUSED.
2. LED DIE: InGaN GREEN AND BLUE.
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
5. DIALIGHT PART NUMBER: 521-8012F.
6. 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. 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-17852	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø3mm GREEN/BLUE BI-COLOR LED	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010	MATERIAL -	
ANGLES: ±1°	Dialight	
FINISH: -	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: