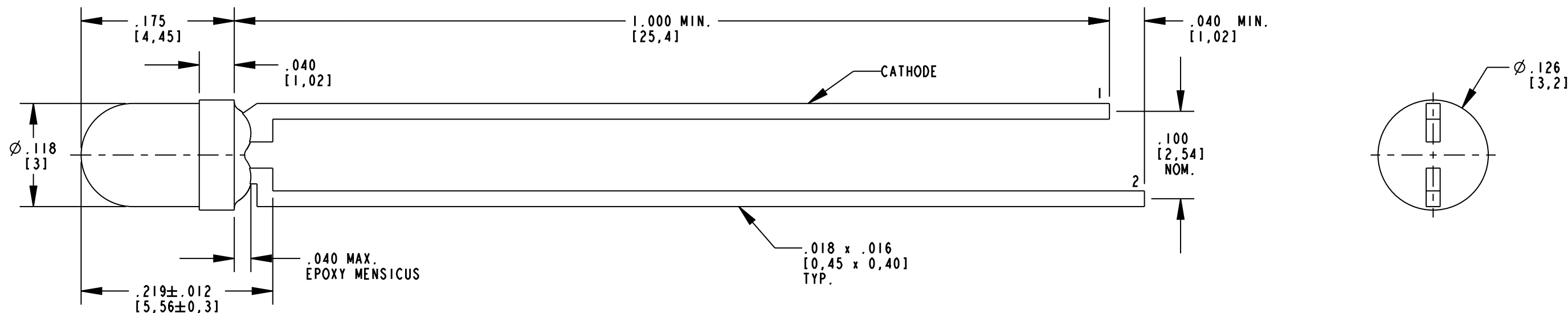


DIALIGHT PART NUMBER	LED COLOR	LENS COLOR
521-8132F	BLUE	WHITE DIFFUSED
521-8133F	GREEN	WHITE DIFFUSED

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	AJF	KLJ	NO	7-28-10

### RoHS COMPLIANT 521-813XF

Part Numbers with the "F" suffix ending are RoHS Compliant.  
 Example: 521-8132F.  
 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.

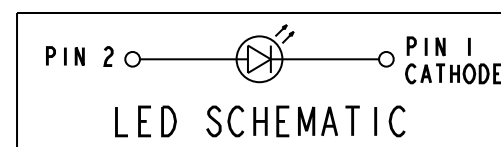


OPERATING CHARACTERISTICS AT 25°C AMBIENT						
LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	BLUE	11.0	16.0	23.0	mcd	I <sub>f</sub> = 2 mA
	GREEN	38.0	58.0	85.0		
PEAK WAVELENGTH	BLUE		468		nm	
	GREEN		518			
DOMINANT WAVELENGTH	BLUE	460	470	475	nm	
	GREEN	527	531	535		
FORWARD VOLTAGE	BLUE	2.0	2.7	3.5	V	I <sub>f</sub> = 2 mA
	GREEN	1.9	2.1	3.0		
REVERSE CURRENT	BLUE			100	μA	V <sub>r</sub> = 5 V
	GREEN			100		
VIEWING ANGLE	ALL		100		DEGREE	

#### NOTES:

1. DIE: InGaN BLUE  
GaN GREEN
2. LENS: WHITE DIFFUSED.
3. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
5. DIALIGHT PART NUMBERS: 521-8132F & 521-8133F.
6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS), MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR		UNITS
	BLUE	GREEN	
POWER DISSIPATION	120	120	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	100	100	mA
CONTINUOUS FORWARD CURRENT	30	30	mA
LINEAR DERATING FROM 30°C	0.5	0.5	mA/°C
REVERSE VOLTAGE	5		V
LEAD SOLDERING TEMPERATURE (.079" [2.0mm] FROM BODY) FOR 5 SEC.	260		°C
OPERATING TEMPERATURE	-25 TO +80		°C
STORAGE TEMPERATURE	-30 TO +100		°C



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

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SCALE: 8.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17854	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø3mm LOW CURRENT LED RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010	MATERIAL	
ANGLES: ±3°	Dialight	
FINISH:	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:

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