



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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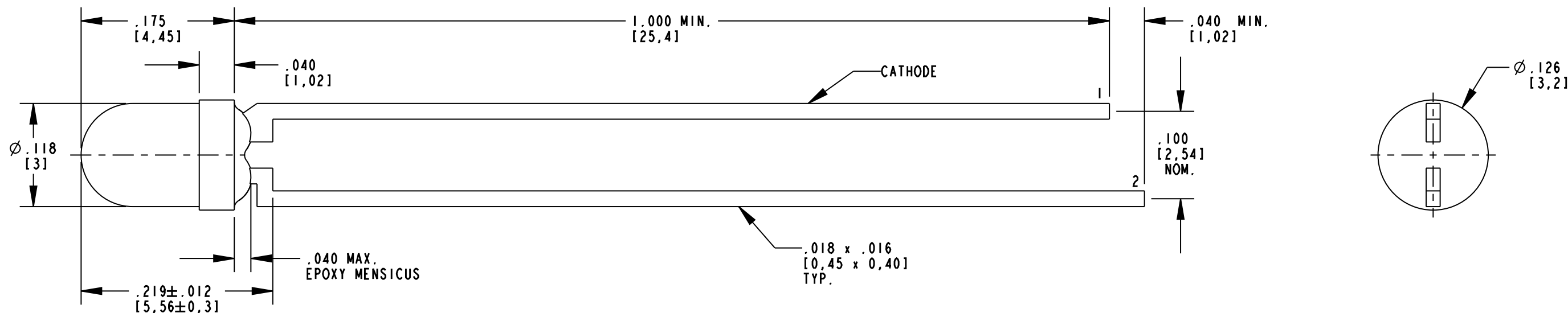


DIALIGHT PART NUMBER	LED COLOR	LENS COLOR
521-8132F	BLUE	WHITE DIFFUSED
521-8133F	GREEN	WHITE DIFFUSED

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.

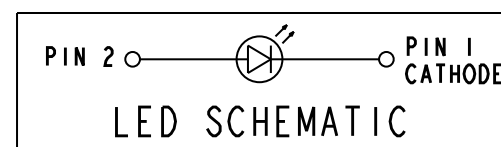


OPERATING CHARACTERISTICS AT 25°C AMBIENT						
LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	BLUE	11.0	16.0	23.0	mcd	I <sub>f</sub> = 2 mA
	GREEN	38.0	58.0	85.0		
PEAK WAVELENGTH	BLUE		468		nm	
	GREEN		518			
DOMINANT WAVELENGTH	BLUE	460	470	475	nm	
	GREEN	527	531	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

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-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: