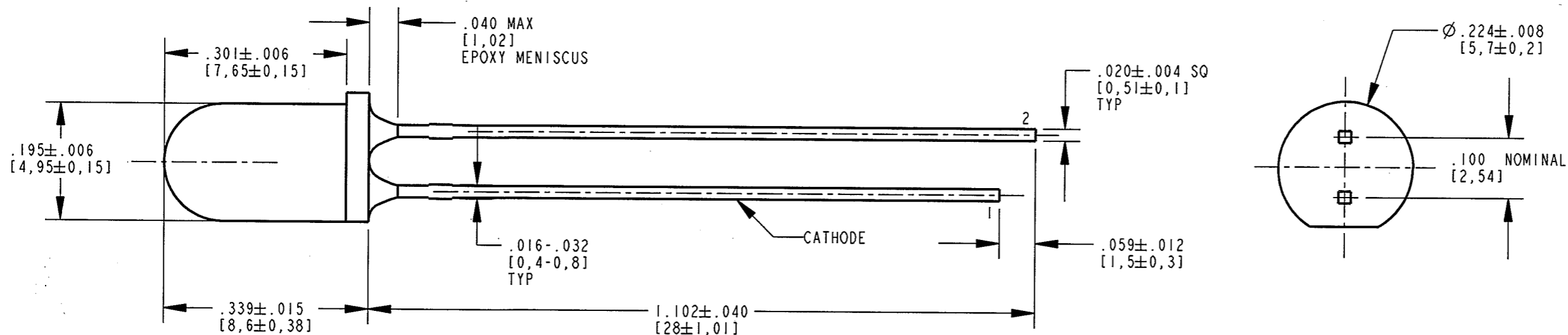


DIALIGHT PART NUMBER	LED & LENS COLOR
521-9270F	GREEN TINTED DIFFUSED
521-9271F	YELLOW TINTED DIFFUSED

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	KLJ	7/01	#	4-2-09

### RoHS COMPLIANT 521-927XF

Part Numbers with the "F" suffix ending are RoHS Compliant.  
 For Example: 521-9270F  
 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.



LED COLOR	LUMINOUS INTENSITY @ I <sub>F</sub> = 10 mA (mcd)			FORWARD VOLTAGE @ I <sub>F</sub> = 10 mA (V)		DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	REVERSE CURRENT (μA) @ V <sub>R</sub> =12V		VIEWING ANGLE (DEG)
	MIN	TYP	MAX	MIN	MAX	MIN	TYP	MAX	TYP	TYP	MAX	TYP
GREEN	4.5	8	11.2	2.0	2.5	564	570	576	572	.01	10	50
YELLOW	4.5	16	28	2.0	2.5	580	587	595	586	.01	10	50



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

	GREEN	YELLOW	UNITS
POWER DISSIPATION	130		mW
FORWARD CURRENT	40		mA
SURGE CURRENT (t ≤ 10 μs, D=0.005)	500		mA
DERATE LINEARLY FROM 50°C	0.75		mA/°C
REVERSE VOLTAGE (I <sub>R</sub> =10 μA)	12		V
STORAGE TEMPERATURE	-55 TO +100		°C
OPERATING TEMPERATURE	-55 TO +100		°C
SOLDERING TEMPERATURE, 1/16" FROM BODY FOR 5 SEC	260		°C

**NOTES:**

- DIE TECHNOLOGY: AlGaP
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBER: 521-9270F, 521-9271F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDs). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

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: 5.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17720	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE Ø5mm TINTED DIFFUSED LED RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.02	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
DECIMALS (.XXX): ±.010	FSCM 83330	
ANGLES: ±3°	SHEET 1 OF 1 FAMILY TABLE:	
FINISH:		

# Mouser Electronics

Authorized Distributor

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