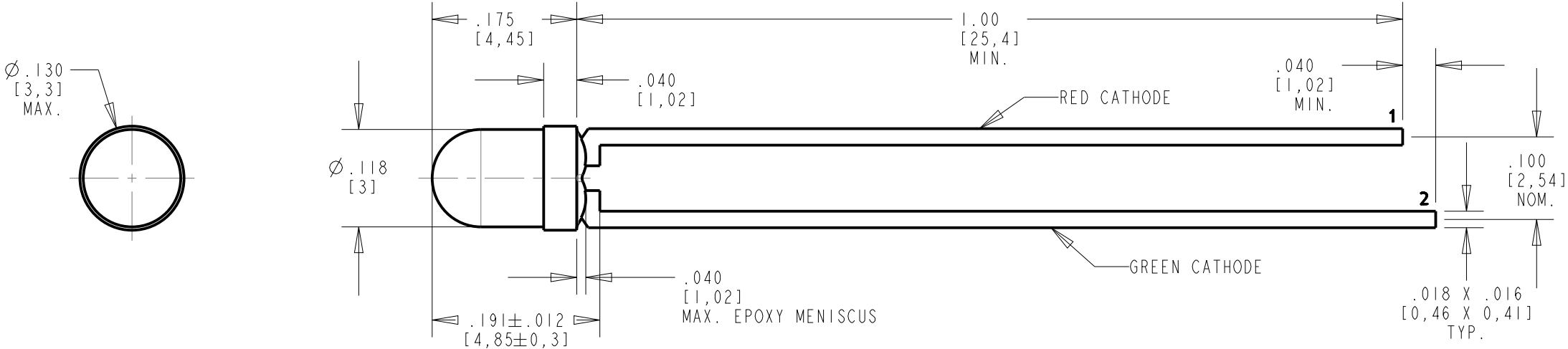


RoHS COMPLIANT 521-8416F

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.



NOTES:

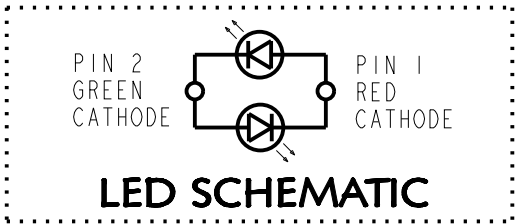
1. LENS COLOR: WHITE DIFFUSED
2. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DIALIGHT PART NUMBER: 521-8416F
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
6. REVERSE VOLTAGE (V_R) CONDITION APPLIED FOR I_R TEST ONLY. THE DEVICE IS NOT DESIGNED FOR REVERSE OPERATION.

OPERATING CHARACTERISTICS AT 25° C AMBIENT												
LED COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			LUMINOUS INTENSITY (mcd) @ I _F =2mA			FORWARD VOLTAGE (V) @ I _F =20mA			REVERSE CURRENT (μA) V _i =5V NOTE 6	VIEWING ANGLE (DEGREES)
	TYP	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP
RED	630		621		5.0	13	21		2.0		100	100
GREEN	565		569		5.0	13	21		2.1		100	100

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	VALUE	UNITS
POWER DISSIPATION	100	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	90	mA
CONTINUOUS FORWARD CURRENT	30	mA
LINEAR DERATING FROM 50°C	0.4	mA/°C
LEAD SOLDERING TEMPERATURE (.079" [2,0mm] FROM BODY) FOR 5 SEC.	260	°C
OPERATING TEMPERATURE	-30 TO +80	°C
STORAGE TEMPERATURE	-40 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: 6.000 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-18230	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.020 DECIMALS (.XXX): ±.010	TITLE Ø3mm RED/GREEN BI-COLOR LED	
ANGLES: ±1° FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		