LED COLOR = RED DIFFUSED						
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS	
LUMINOUS INTENSITY	19	40	90	mc d	IF = IO mA	
FORWARD VOLTAGE		2.0	2.6	V	IF = 20 mA	
REVERSE CURRENT			100	u A	V <sub>R</sub> = 5V	
PEAK WAVELENGTH		635		n m		
DOMINANT WAVELENGTH		623		nm		
VIEWING ANGLE		50		Degree		

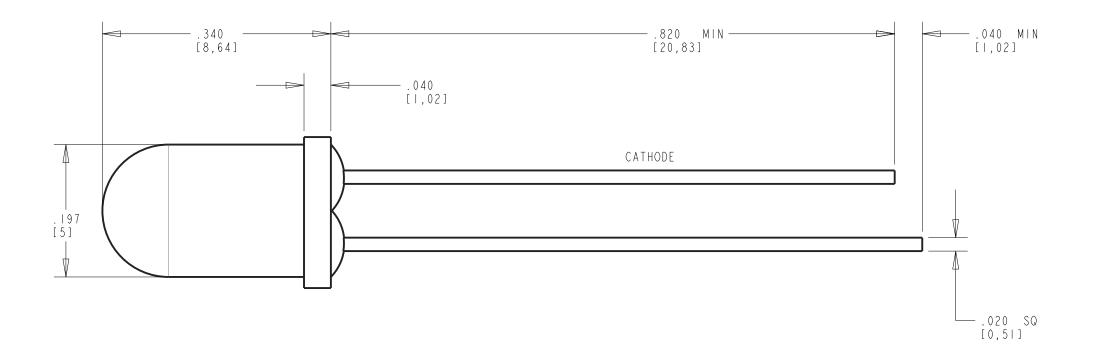
## RoHS Compliant 521-9441F Thru hole Single Color LED

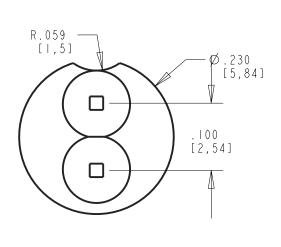
Part Numbers with the "F" suffix ending are RoHS Compliant. Example: 521-9441F

The bag 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.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
А		NEW RELEASE	SM			
В		ADDED DOMINANT WAVELENGTH, UPDATED MODEL AND SPECS	LD		NO	2-28-22





ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	UNITS	RED DIFF.
POWER DISSIPATION	mW	81
CONTINUOUS FORWARD CURRENT	m A	30
DERATE LINEARLY FROM 40°C	mA/°C	0.71
PEAK PULSE CURRENT (1/5 DUTY CYCLE, 0.1 ms PULSE WIDTH)	m A	90
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE	°C	260
OPERATING TEMPERATURE	.C	-40 TO +85
STORAGE TEMPERATURE	. C	-40 TO +100

## NOTES:

- I. DIALIGHT PART NO. 521-9441F
- 3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- 4. AlinGaP RED DIFFUSED

PROPERTY OF DIA CONSTRUCTION OF AN	HE CONTENTS HEREIN ARE CONFIDENTIAL AND THE ALIGHT CORP. REPRODUCTION OF THIS DRAWING ( Y PARTS WITHIN THIS DRAWING ARE FORBIDDEN W WRITTEN CONSENT OF DIALIGHT CORP.	OR	
SCALE: 7.000	DRAWING NUMBER	REV	
ALL DIM's: INCH (mm)	1 7 1 0		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	C-17460	D	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.010 ROHS COMPLIANT			
DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL		
FINISH	DOOT FARMINGDAL (732)	E 34 SOUTH E, NJ 07727 919-3119 light.com	
FSCM 83330	SHEET I OF I FAMILY TABLE:		