

LED COLOR = RED DIFFUSED

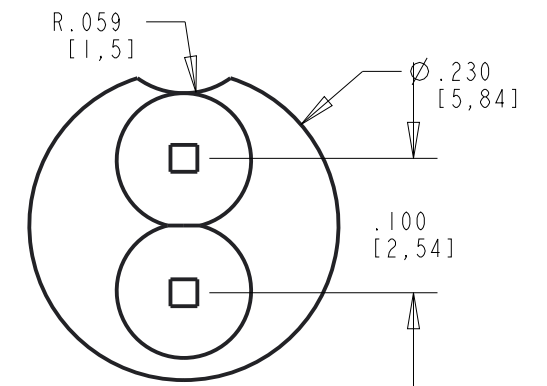
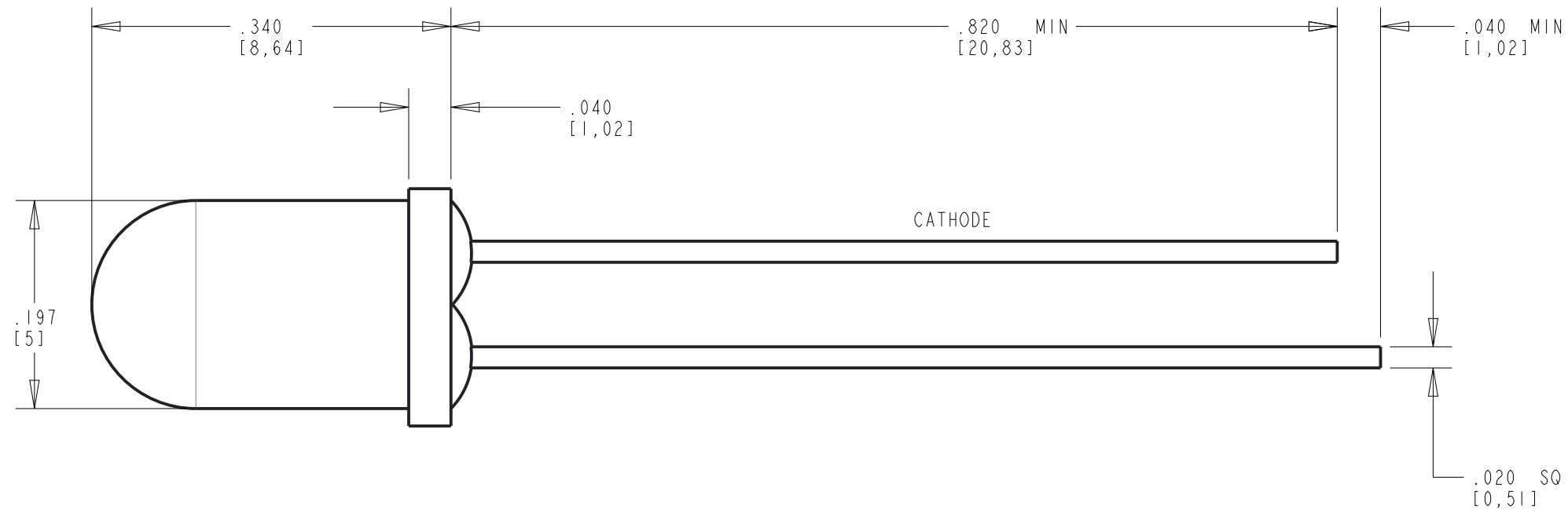
OPERATING CHARACTERISTICS AT 25°C AMBIENT

CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	19	40	90	mcd	$I_f = 10 \text{ mA}$
FORWARD VOLTAGE		2.0	2.6	V	$I_f = 20 \text{ mA}$
REVERSE CURRENT			100	μA	$V_R = 5\text{V}$
PEAK WAVELENGTH		635		nm	
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
A		NEW RELEASE	SM			
B		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	mA	30
DERATE LINEARLY FROM 40°C	mA/°C	0.71
PEAK PULSE CURRENT (1/5 DUTY CYCLE, 0.1 ms PULSE WIDTH)	mA	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:

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

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SCALE: 7.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17460	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 5 mm LED RED DIFFUSED 650nm RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	FINISH	
DECIMALS (.XXX): ±.010	FSCM 83330	
DECIMALS (.XXXX): ±.0005	SHEET 1 OF 1 FAMILY TABLE:	
ANGLES: ±1°	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	