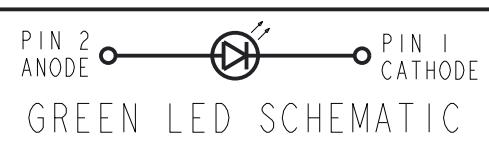
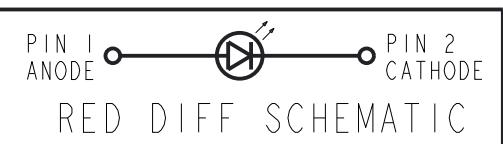
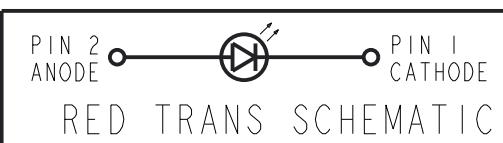
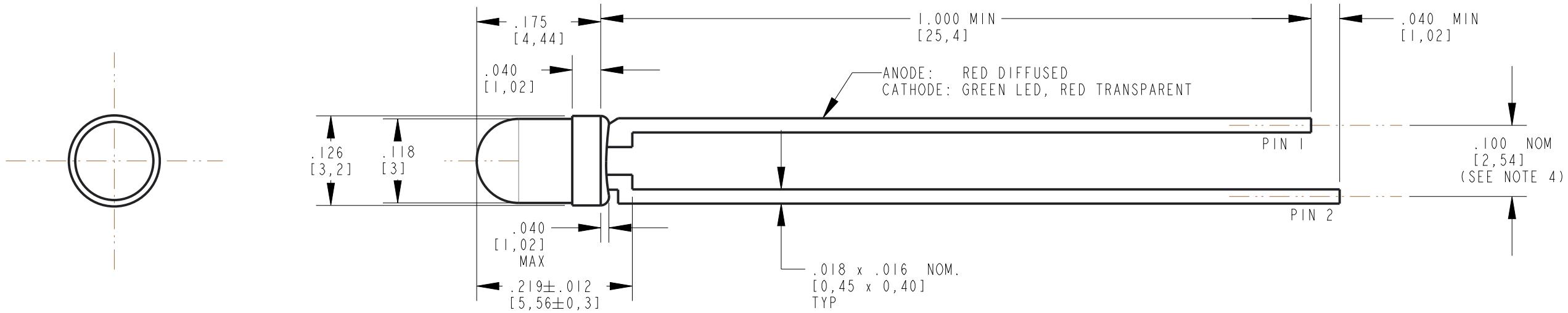


DIALIGHT PART NUMBER	LENS COLOR	PEAK EMISSION WAVELENGTH (nm) TYP	DOMINANT WAVELENGTH (nm) TYP	VIEWING ANGLE (2θ) 1/2	CAPACITANCE (pF) @ $V_F=0$; $f = 1$ MHz	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V) @ $I_F=20$ mA; 25°C	REVERSE CURRENT (μA) @ 25°C	
						TYP	I_F (mA)	MIN	TYP	MAX
521-9636F	RED DIFF.	660	638	60	30	20	19	60	1.8	2.4
521-9637F	RED TRANS.	660	638	45	30	10	19	60	1.8	2.4
521-9638F	GREEN TRANS.	565	569	45	35	20	19	70	2.1	2.6
									100 @ $V_R=4$ V	
									100 @ $V_R=4$ V	
									100 @ $V_R=5$ V	

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	NO		5-15-08
B	99469	521-9637F SPECS WERE UPDATED: LUM INT UPDATED, POWER DISSIPATION WAS 100, FORWARD CURRENT WAS 40, PEAK FORWARD CURRENT WAS 200, LINEAR DERATION WAS .5, OPERATING TEMP WAS -40 TO 100, STORAGE TEMP WAS -55 TO 100, SHORT LEAD WAS ANODE	LD	CS		11-18-22

RoHS COMPLIANT 521-963XF

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.



ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	RED DIFFUSED	RED TRANSPARENT	GREEN TRANSPARENT	UNITS
POWER DISSIPATION	100	75	100	mW
CONTINUOUS FORWARD CURRENT	40	30	30	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	200	90	120	mA
DERATING LINEAR FROM 50°C	0.5	0.45	0.4	mA/°C
REVERSE VOLTAGE	4	5	5	V
SOLDERING TEMPERATURE (.063" FROM BODY)	260 FOR 5 SEC			°C
OPERATING TEMPERATURE	-40 TO +100	-40 TO +85	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	-40 TO +100	-55 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 CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.	DRAWING NUMBER	REV
C-17614		
SCALE: 6.000		
ALL DIM's: INCH (mm)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.02		
DECIMALS (.XXX): ±.010		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
Dialight		
1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com		
FSCM 83330		
SHEET 1 OF 1		
FAMILY TABLE:		