

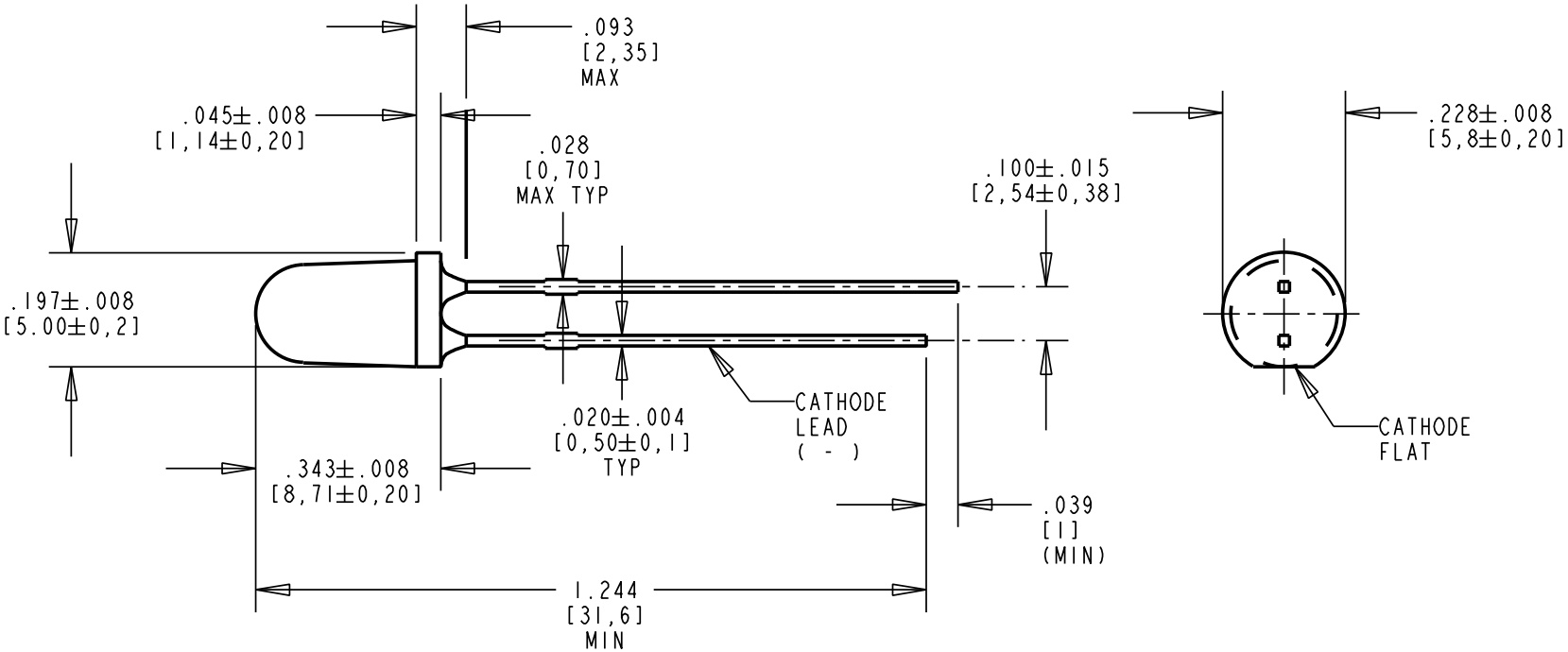
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC			

OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
FORWARD VOLTAGE		2.00	2.6	V	I _F = 20 mA
REVERSE VOLTAGE	5	20		V	I _R = 100μA
LUMINOUS INTENSITY	1900		5500	mc d	I _F = 20 mA
CAPACITANCE		40		pF	V _F = 0; f=1 MHz
PEAK WAVELENGTH		639		nm	I _F = 20 mA
DOMINANT WAVELENGTH		630		nm	I _F = 20 mA
VIEWING ANGLE (2 Θ 1/2)		30		deg.	
SPECTRAL HALFWIDTH		17		nm	I _F = 20 mA

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

		UNITS
PEAK PULSED FORWARD CURRENT f ≥ 1KHz	100	mA
AVERAGE FORWARD CURRENT	30	mA
DC FORWARD CURRENT	50	mA
DERATE LINEARLY FROM 50°C	0.7	mA/ °C
SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE	260	°C
OPERATING TEMPERATURE	-40 TO +100	°C
STORAGE TEMPERATURE	-40 TO +120	°C



RoHS Compliant 521-9820F

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:

- EPOXY COLOR: CLEAR NON-DIFFUSED.
- DIE: TS AlInGaP, RED.
- LEAD FINISH: RoHS COMPLIANT TIN (Sn), SILVER (Ag), COPPER (Cu).
- SOLDER ADHERANCE: BOTH LEADS PER MIL STD. 202E, METHOD 208C, EXCEPT STEAM AGING.
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- LEDs TO BE BULK PACKAGED 100 LEDs PER ANTI-STATIC BAG, WITH P/N INTENSITY BINS, COLOR BINS IF APPLICABLE, LOT NUMBER OR DATE CODE AND COUNTRY OF ORIGIN.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- DIALIGHT PART NUMBER 521-9820F.



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: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17414	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 5MM RED WC BULK PACKAGING RoHS COMPLIANT (Pb FREE)	
FINISH:	MATERIAL	
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1		FAMILY TABLE: