







RECOMMENDED RoHS SOLDER PROFILE

Ø.06 — [1,55] .157±.004 — [3,99±0,1]	.078±.002 [1,99±0,05] POLARITY MARK [1,75±0,1]	
.3 5±.004 [8±0,]	. 207±.004 [5,25±0,1]	
\	USER FEED DIRECTION TAPING SPECIFICATIONS SCALE 4.000	84,13]

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	RED/ORA	GREEN	BLUE	UNITS
CONTINUOUS FORWARD CURRENT		30		mA
PEAK FORWARD CURRENT (1/8 DUTY CYCLE)		100		mA
REVERSE VOLTAGE		5		V
REFLOW SOLDERING TEMPERATURE FOR 5 SEC.		260		°C
OPERATING TEMPERATURE		-20 TO +8	5	°C
STORAGE TEMPERATURE		-35 TO +8	5	°C
ELECTROSTATIC DISCHARGE		2000(HBM)		V

			OPER	ATING	CHARAC	TERISTI	CS AT 25	o° C AME	BIENT		
LED COLOR	DOMINANT WAVELENGTH (nm) @ I _F =20mA LUMINOUS INTENSITY (mcd) @ I _F =20mA FORWARD VOLTAGE (V) @ I _F =20mA		WAVELENGTH		INTENSITY VOLTAGE CURRENT		VOLTAGE			VIEWING ANGLE (DEGREES)	
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP
RED/ORANGE	620	625	630	180	230	380	1.8	2.1	2.3	10	120
GREEN	520	525	530	650	1000	1200	3.0	3.2	3.4	10	120
BLUE	465	468	472.5	150	230	350	3.0	3.2	3.4	10	120

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.031	-	→	.063	
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RECOMMENDED SOLDER PAD LAYOUT

NOTES:

- I. DIALIGHT PART NUMBERS: 597-7714-002F/007F.
- 2. TAPE & REEL MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
- 3. PIN NUMBERS ARE FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART OR REEL TAPE .
- 4. ... 002F SUFFIX MEANS PARTS PACKAGED ON A 20 PC SAMPLE STRIP.
- ..007F SUFFIX MEANS PARTS PACKAGED ON A 7" [Ø180mm] REEL, 2,000 PCS/REEL.

- 5. MOISTURE SENSITIVITY LEVEL: 3
 6. PACKAGING TO INCLUDE LABEL CONTAINING DIALIGHT PART NUMBER, DATE CODE/LOT NO., INTENSITY BIN AND COLOR BINS, QTY/REEL, 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.

ROHS COMPLIANT 597-7714-00XF

Part Numbers with the "F" suffix ending are RoHS Compliant.

For example: 597-7741-002F

Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

CONSTRUCTION OF AN	ALIGHI CORP. REPRODUCTION OF THIS DRAWING BY PARTS WITHIN THIS DRAWING ARE FORBIDDEN W WRITTEN CONSENT OF DIALIGHT CORP.	
DIALIGHT CORP INT	ERNAL REFERENCE ONLY = 3D MODEL : 4500521834726_PAD-A.I	
SCALE: 16.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)]	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	C-18315	Α
FRACTIONS: ±1/64	TITLE	
DECIMALS $(XX) \cdot + 0$	DO / C / D D C C / 1 E D	

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE

RO/G/B PLCC-4 LED DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1° FINISH

FARMINGDALE, NJ 0772 (732) 919-3119 www.dialight.com

FSCM 83330