

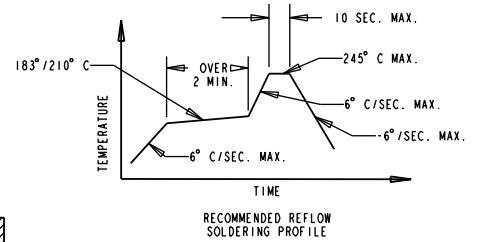
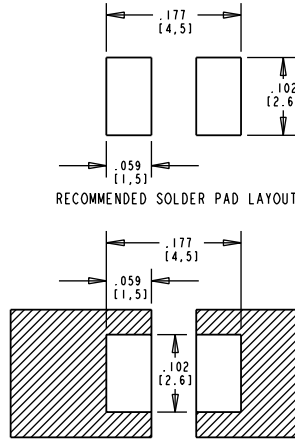
OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	90.0		180.0	mc d	$I_f = 20 \text{ mA}$
FORWARD VOLTAGE		3.5	4.2	V	$I_f = 20 \text{ mA}$
REVERSE CURRENT		0.01	10	μA	$V_R = 5 \text{ V}$
VIEWING ANGLE (2 θ 1/2)		120		DEGREES	
COLOR COORDINATES	X	0.29	0.32	0.365	$I_f = 20 \text{ mA}$
	Y	0.22	0.31	0.42	

NOTES:

- EPOXY COLOR: DIFFUSED
- DIE: InGaN.
- LEADS: SOLDER PLATED.
- SOLDER ADHERANCE: BOTH LEADS PER MIL-STD-202E, METHOD 208C.
- SUFFIX -202 FOR 20-PCS ON A SAMPLE TAPE STRIP.
SUFFIX -207 FOR 7" (178mm) DIA. REEL, .315(8mm) EMBOSSED CARRIER TAPE, WITH 2000 PARTS/REEL.
- PARTS TO BE TAPED AND REELED PER EIA-RS-481A.
- PARTS TO BE SUPPLIED 2000 DEVICES PER REEL WITH ALL PARTS ON ONE REEL FROM SAME LOT AND SAME BIN CATEGORY.
- LABELING: REELS TO BE IDENTIFIED WITH P/N, QUANTITY, DATE CODE, INTENSITY BIN CATEGORY AND COLOR BIN CATEGORY.
- PACKAGING IN SEALED ALUMINUM MOISTURE BARRIER BAG WITH DESICCANT AND "MOISTURE SENSITIVITY LEVEL OF "2" PER JEDEC J-STD-033.
- ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.
- DEVICES POSITIONED ON REEL WITH CATHODE SIDE TOWARDS SPROCKET.
- TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- DIALIGHT P/N: 597-3901-202, 597-3901-207.

REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A		NEW RELEASE	DC			



ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	
POWER DISSIPATION	85 mW
CONTINUOUS FORWARD CURRENT	20 mA
DERATE LINEARLY FROM 75° C	0.6 mA/°C
PEAK REVERSE VOLTAGE	5 V
SOLDERING PROFILE: IR - 235° C PEAK, - 15 SEC., 185° C - 90 SEC. MAX.	
OPERATING TEMPERATURE	-40° C TO +100° C
STORAGE TEMPERATURE	-40° C TO +100° C

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SCALE: 8:1	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-16903	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE WHITE PLCC SMT LED	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (XXX): ±.010	Dialight	
DECIMALS (XXX): ±.008	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
ANGLES: ±P	FSCM 83330	SHEET OF FAMILY TABLE: