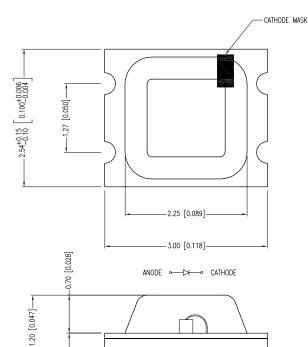
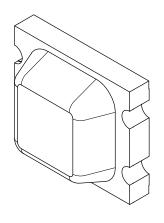
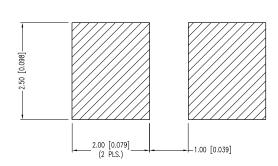
UNCONTROLLED DOCUMENT



1.00 [0.039] (2 PLS.)



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	CCL-CRS10USB	REV.	С
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		Α
12.01.06	E.C.N. #11148.		В
06 17 11	FCN #10BRDR & REDRAWN/#11730		С

DIDILIETED	MAIN	7.00	11111	LINUTO	TEOT COUR
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	
REVERSE VOLTAGE	4.0			Vr	Ir=100μA
AXIAL INTENSITY		30		mcd	If=20mA
VIEWING ANGLE		180		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLE	AR			

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	33	mW/°C
OPERATING TEMP.	-30 TO +75	•C
STORAGE TEMP.	-40 TO +85	·C

* t<10µS

SOLDER HEAT PROOF TEST:	DIPPING FOR 5 SEC. AT 250°C, 2 TIMES.
THERMAL SHOCK TEST:	15 MIN. AT +90°C, AND 15 MIN. AT -30°C, 25 CYCLES.
VIBRATION TEST:	50Hz, FULL AMPLITUDE WIDTH; 1.5mm, 2 HOURS VERTICALLY AND HORIZONTALLY, RESPECTIVELY.
MOISTURE TEST:	Ta=60°C, Rh=90%, 1,000 HOURS.
IRON SOLDERING:	20W IRON (SHARP TIP), 280-320°C, 5 SEC. MAX.,
SOLDER DIP METHOD:	TEMP. IS 240-260°C AND TIME IS WITHIN 10 SEC.
RE-FLOW SOLDERING:	SEE CHART.

CA CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2A STANDARDS



[0.016] PLS.)

0.40

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790

FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM

3.0mm x 2.5mm CERAMIC SURFACE MOUNT LED, 470nm ULTRA SUPER BLUE LED, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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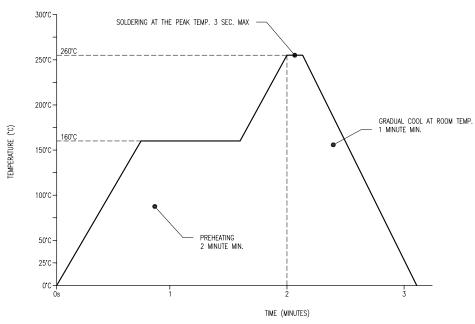
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	DATE:	06.17.11	DR	AWN BY:	AB
	PAGE:	1 OF 2	СН	KD BY:	KF
	SCALE:	NTS	AP	RVD BY:	SS
	UNIT:	mm [INCH]	Pb)	

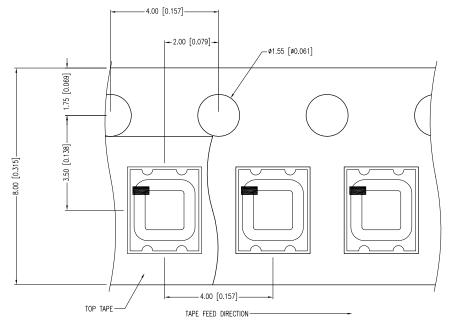
CCL-CRS10USB

REV.

С







NOTES:

- 1. PART SUPPLIED ON SUPER 8 TAPE AND REEL, 3,000 PIECES PER REEL.
- 2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- 3. WHITE CERAMIC CARRIER.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+0.00}_{-0.00}$ MAX.= $^{+0.$ UNCONTROLLED DOCUMENT



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DATE: 06.17.11 DRAWN BY: AΒ 2 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: SS UNIT: mm [INCH] (Pb)