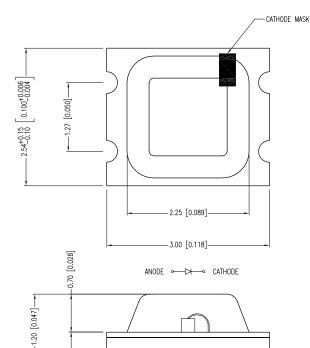
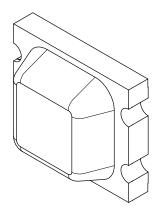
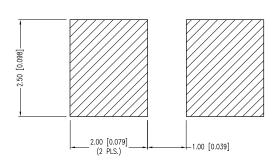
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-1.00 [0.039] (2 PLS.)





PART NUMBER	CCL-CRS10SG REV.		
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.11.98	E.C.N. #10484.		Α
01.12.01	E.C.N. #10695. & REDRAWN.		В
03.14.03	E.C.N. #10967.		С
12.01.06	E.C.N. #11148.		D
06.17.11	E.C.N. #10BRDR. & REDRAWN/#11730.		E

ELECTRO-OPTICAL	CHARACTERISTICS	TA =25°C	If= 20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		570		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE	4.0			Vr	Ir=100μA
AXIAL INTENSITY		50		mcd	If=20mA
VIEWING ANGLE		180		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH	H: WATER	CLEAR			

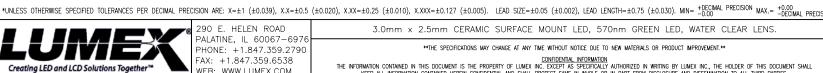
LIMITS OF SAFE OPERATION AT 25°C	LIMITS	OF	SAFE	OPERATION	ΑT	25°C	
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PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	33	mW/*C
OPERATING TEMP.	-30 TO +75	•C
STORAGE TEMP.	-40 TO +85	•C
4.1.40.0		

<sup>\*</sup> 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.
	-

E C CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2A STANDARDS



0.40 [0.016] (4 PLS.)

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, 570nm GREEN LED, WATER CLEAR LENS.

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

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KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PA	ART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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	SCALE:	NTS	APRVD BY:	SS
	UNIT:	mm [INCH]	(Ph)	

UNCONTROLLED DOCUMENT CCL-CRS10SG PART NUMBER REV. Ε DATE E.C.N. NUMBER AND REVISION COMMENTS REV. 12.11.98 E.C.N. #10484. Α LEAD FREE REFLOW PROFILE A E В 01.12.01 E.C.N. #10695. & REDRAWN. E.C.N. #10967. E.C.N. #11148. 03.14.03 С 300°C D 12.01.06 SOLDERING AT THE PEAK TEMP. 3 SEC. MAX 06.17.11 E.C.N. #10BRDR. & REDRAWN/#11730. 2500 200°C GRADUAL COOL AT ROOM TEMP. TEMPERATURE (°C) 1 MINUTE MIN. 150°C 100°C-PREHEATING 50°C-2 MINUTE MIN. 25°C-0°C -TIME (MINUTES) 4.00 [0.157]-2.00 [0.079]--ø1.55 [ø0.061] [690.0] 1.75 NOTES: 1. PART SUPPLIED ON SUPER 8 TAPE AND [0.138] REEL, 3,000 PIECES PER REEL. 2. THE CATHODE IS ORIENTED TOWARDS THE [0.315] TAPE SPROCKET HOLE. 3.50 3. WHITE CERAMIC CARRIER.

4.00 [0.157]-TOP TAPE TAPE FEED DIRECTION-

\*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=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MIN=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$ 

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Creating LED and LCD Solutions Together" WEB: WWW.LUMEX.COM

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