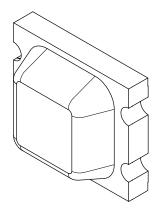


1.00 [0.039] (2 PLS.)



PART NUMBER	CCL-CRS10Y/G	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.12.01	E.C.N. #10695. & REDRAWN IN 3D.		Α
03.14.03	E.C.N. #10967.		В
09.12.05	E.C.N. #11271.		С
12.01.06	E.C.N. #11148.		D
03.02.07	E.C.N. #11398.		E
06.17.11	F.C.N. #10BRDR & REDRAWN/#11730		F

ELECTRO-OPTICAL CHARACT	TERISTICS 1	A =25°C	If=20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH (Y/G)		585/565		nm	
FORWARD VOLTAGE (Y/G)		2.1/2.2	2.5/2.6	Vf	
REVERSE VOLTAGE	4.0			Vr	Ir=100μA
AXIAL INTENSITY (Y/G)		8/12		mcd	If=20mA
VIEWING ANGLE		180		2x theta	
EMITTED COLOR:	YELLOW/	GREEN			
FPOXY LENS FINISH:	WATER C	I FAR			

LIMITS OF SAFE OPERATION AT 25°	С	
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION (Y/G)	70/65	mW
DERATE FROM 25°C	33	mW/°C
OPERATING TEMP.	-30 TO +75	•C
STORAGE TEMP.	-40 TO +85	·c

-		_	_
*	t<1	U	มร

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.

F B CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2A STANDARDS

## RECOMMENDED SOLDER PAD LAYOUT

[0.098]			
2.50 [			0.50 [0.020]
	2.00 [0.079] (2 PLS.)	1.00 [0.039]	0

0.40 [0.016] (4 PLS.) 2.17 [0.085]-

[0.035] PLS.) 0.90

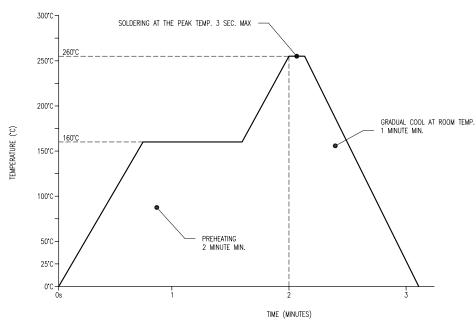
*U	*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00							
		290 E. HELEN ROAD	3.0mm x 2.5mm CERAMIC SURFACE MOUNT LED, 585/565nm YELLOW/GREEN LED, WATER CLEAR LENS.	DATE: 06.17.11	DRAWN BY:	AB		
-		PALATINE, IL 60067-6976- PHONE: +1.847.359.2790	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**	PAGE: 1 OF 2	CHKD BY:	KF		
Creating LED and LCD Solutions Together™	FAX: +1.847.359.6538	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC. THE HOLDER OF THIS DOCUMENT SHALL	SCALE: NTS	APRVD BY:	SS			
	WEB: WWW.LUMEX.COM	KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	UNIT: mm [INCH]	(Pb)				

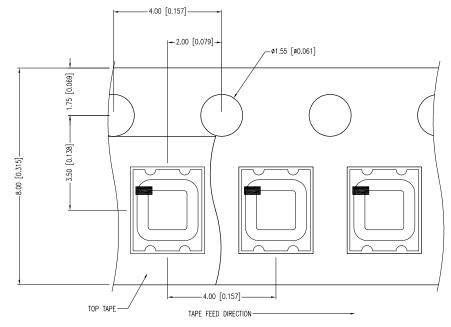
PART NUMBER

CCL-CRS10Y/G

REV.







## 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=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$ UNCONTROLLED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

3.0mm x 2.5mm CERAMIC SURFACE MOUNT LED, 585/565nm YELLOW/GREEN LED, WATER CLEAR LENS.

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DATE:	06.17.	11	DRAWN BY:	AB	
PAGE:	2 OF	2	CHKD BY:	KF	
SCALE:	NTS		APRVD BY:	SS	
UNIT: mm [INCH]		(Pb)			