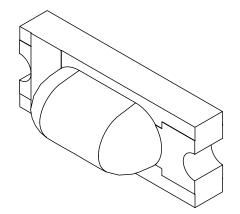
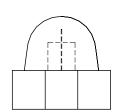


-3.20 [0.126]





PART NUMBER	CCL-LX45SRT	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.20.95	ADDED TAPE AND REEL SPEC.		Α
12.18.95	E.C.N. #10105.		В
11.09.98	E.C.N. #10BRDR. & REDRAWN.		С
04.28.99	E.C.N. #10511./POLARITY MARK SWITCHED.		D
06.17.99	E.C.N. #10524./CHANGED HEIGHT.		Ε
12.04.06	E.C.N. #11148.		F
04.12.11	E.C.N. #10BRDR. & REDRAWN.		G

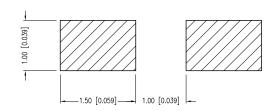
ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA							
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND		
PEAK WAVELENGTH		660		nm			
FORWARD VOLTAGE		1.8	2.1	Vf			
REVERSE VOLTAGE	5.0			Vr	Ir=100μA		
AXIAL INTENSITY		8.0		mcd	If=20mA		
VIEWING ANGLE		180		2x theta			
EMITTED COLOR:	RED						
EPOXY LENS FINISH	t: RED	TRANSPARENT					

MITS OF SAFE OPERATION AT 25°C				
PARAMETER	MAX	UNITS		
PEAK FORWARD CURRENT*	800	mA		
STEADY CURRENT	30	mA		
POWER DISSIPATION	130	mW		
DERATE FROM 25°C	-2.4	mW/*C		
OPERATING TEMP.	-30 TO +80	· c		
STORAGE TEMP.	-40 TO +120	•C		

* t<10µS

RECOMMENDED SOLDER PAD LAYOUT





*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.= $^{+0.00}_{-0.00}$ PRECISION UNCONTROLLED DOCUMENT DATE: 04.12.11 DRAWN BY: AΒ 290 E. HELEN ROAD CERAMIC CHIP, SURFACE, MOUNT LED, RED TRANSPARENT, TAPE AND REEL.



1.20 [0.047]-

PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM

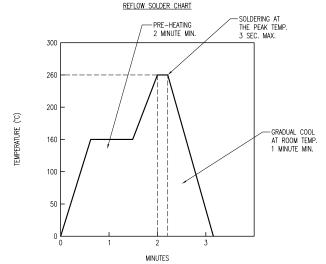
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

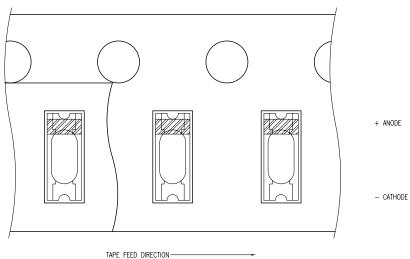
CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

PAGE: 1 OF 2 CHKD BY: SS SCALE: NTS APRVD BY: JD UNIT: mm [INCH] (Pb)

UNCONTROLLED DOCUMENT

PART NUMBER	CCL-LX45SRT REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
11.20.95	ADDED TAPE AND REEL SPEC.	Α
12.18.95	E.C.N. #10105.	В
11.09.98	E.C.N. #10BRDR. & REDRAWN.	С
04.28.99	E.C.N. #10511./POLARITY MARK SWITCHED.	D
06.17.99	E.C.N. #10524./CHANGED HEIGHT.	E
12.04.06	E.C.N. #11148.	F
04.12.11	E.C.N. #10BRDR. & REDRAWN.	G





*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= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ PRECISION $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION $^{-0.00}_{-0.00}$ PRECISION $^{-0.00}_{-0$ UNCONTROLLED DOCUMENT



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

CERAMIC CHIP, SURFACE, MOUNT LED, RED TRANSPARENT, TAPE AND REEL.

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

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

DATE: 04.12.11 DRAWN BY: AΒ PAGE: 2 OF 2 CHKD BY: SS SCALE: NTS APRVD BY: JD

(Pb) UNIT: mm [INCH]