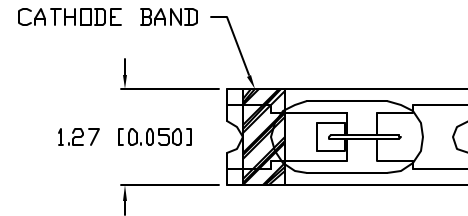
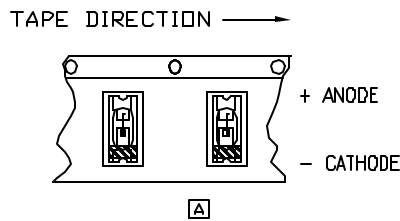
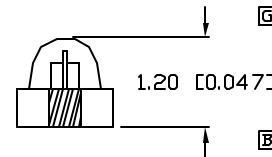
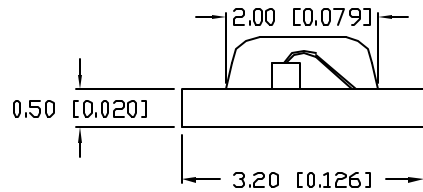
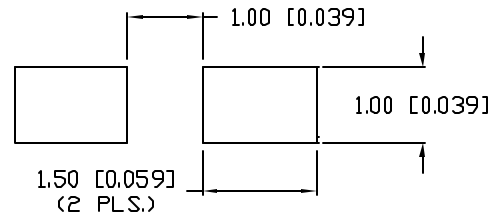


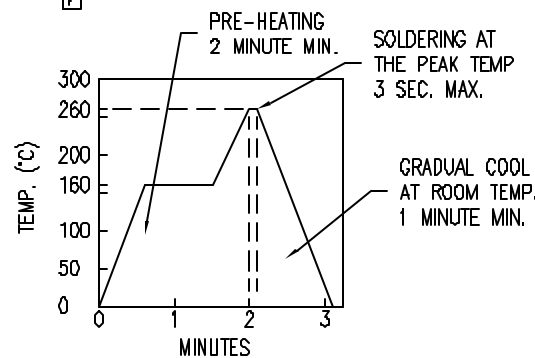
UNCONTROLLED DOCUMENT



SOLDER PAD LAYOUT



REFLOW SOLDER CHART



PART NUMBER
CCL-LX45GT

REV.
G

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED TAPE AND REEL SPEC./	11-20-95
B	E.C.N. #10105./	12-18-95
C	E.C.N. #10143./	4-8-96
D	E.C.N. #10176./	5-30-96
E	E.C.N. #10BRDR. & REDRAWN.	11-9-98
F	E.C.N. #10511./ ADDED SOLDER CHART.	4-28-99
G	E.C.N. #10524./ CHANGED HEIGHT.	6-17-99

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		7.0		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		180		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN TRANSPARENT				

LIMITS 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	-2.7	mW/°C
OPERATING TEMP.	-30 TO +80	°C
STORAGE TEMP.	-40 TO +120	°C

* $t < 10\mu\text{s}$

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

REV.
G

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
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WEB: HTTP://WWW.LUMEX.COM

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

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 1-16-95
			PAGE: 1 OF 1
			SCALE: N/A