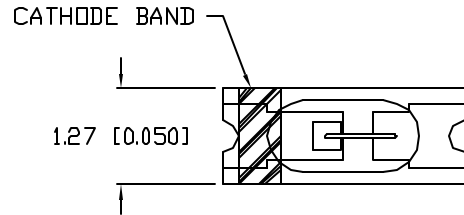


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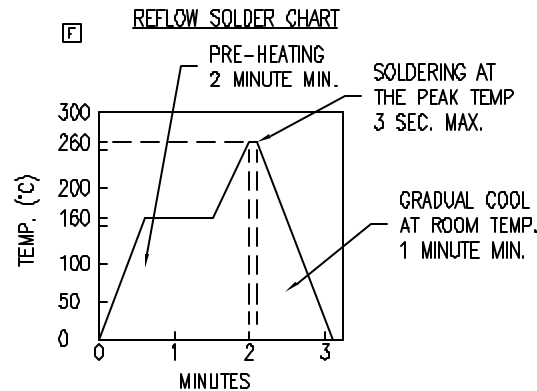
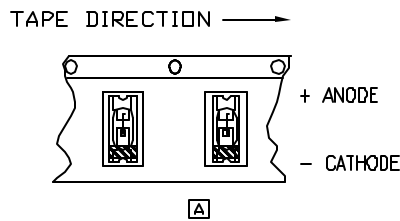
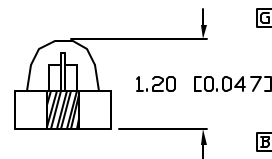
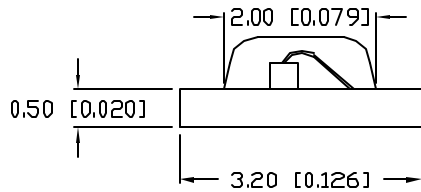
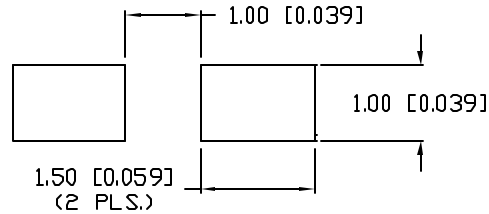
PART NUMBER  
CCL-LX45GT

REV.  
H

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
H	E.C.N. #11148.	12.04.06



SOLDER PAD LAYOUT



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		md	$I_f=20\text{mA}$
VIEWING ANGLE		180		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN TRANSPARENT				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	800	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	130	mW
DERATE FROM $25^\circ\text{C}$	-2.7	mW/°C
OPERATING TEMP.	-30 TO +80	°C
STORAGE TEMP.	-40 TO +120	°C

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

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

REV.  
H

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

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.

DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 12.04.06
			PAGE: 1 OF 1
			SCALE: N/A