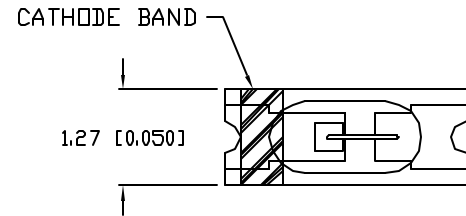
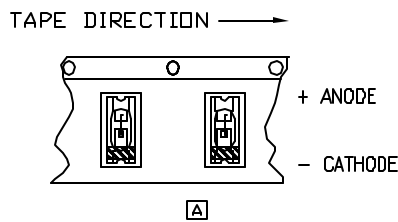
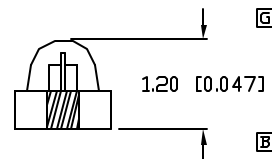
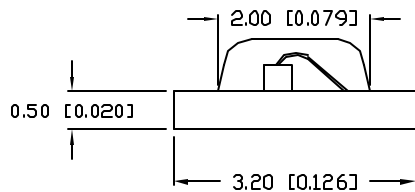
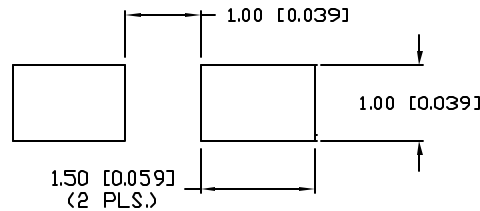


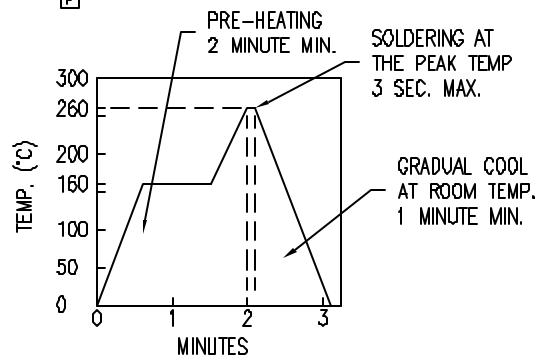
UNCONTROLLED DOCUMENT



SOLDER PAD LAYOUT



REFLOW SOLDER CHART



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.3	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		7.0		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		180		$2x$ theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW 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	-2.4	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +120	$^\circ\text{C}$

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

UNCONTROLLED DOCUMENT

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

REV.
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PART NUMBER
CCL-LX45YT

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CERAMIC CHIP, SURFACE MOUNT LED,
YELLOW 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