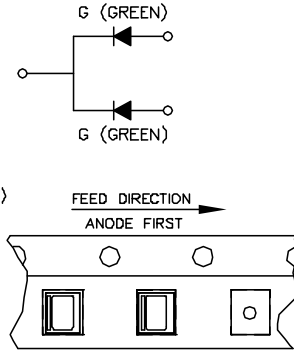
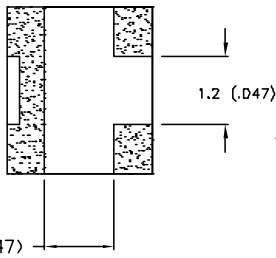
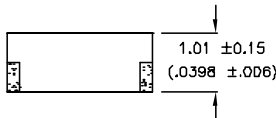
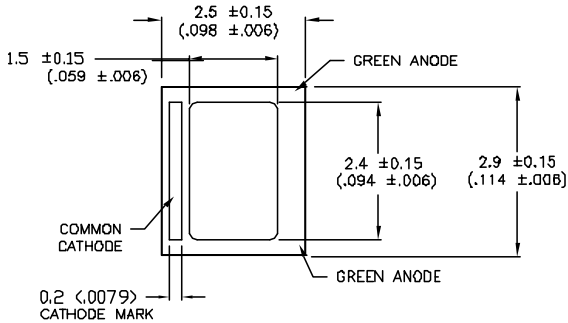


UNCONTROLLED DOCUMENT

UNDER REVISION



PART NUMBER
CCL-LX253GGC

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR./	10.17.97
B	E.C.N. #1114B.	12.06.06

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) 565 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		20		md	$I_f=20\text{mA}$
VIEWING ANGLE		90		2x theta	
EMITTED COLOR	GREEN/GREEN				
EPOXY LENS FINISH	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.0	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+250	°C
2.0mm FROM BODY		3 SEC. MAX

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



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030), MIN= -0.00, DECIMAL PRECISION MAX= +0.00, DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. B	PART NUMBER CCL-LX253GGC
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CERAMIC CHIP, BICOLOR, SURFACE MOUNT LED
WATER CLEAR LENS, GREEN/GREEN.

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: 10.17.97 PAGE: 1 OF 1 SCALE: N/A
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