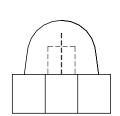


PART NUMBER	CCL-LX45GT	REV.	J
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.20.95	ADDED TAPE AND REEL SPEC.		Α
12.18.95	E.C.N. #10105.		В
04.08.96	E.C.N. #10143.		С
05.30.96	E.C.N. #10176.		D
11.09.98	E.C.N. #10BRDR. & REDRAWN.		Ε
04.28.99	E.C.N. #10511./ADDED SOLDER CHART.		F
06.17.99	E.C.N. #10524./CHANGED HEIGHT.		G
12.04.06	E.C.N. #11148.		H
01.04.10	E.C.N. #11148.		1
04.12.11	E.C.N. #10BRDR. & REDRAWN.		J

		<del>-</del>	1.99 [0.078]—	
G B				
1.20 [0.047]	0:50 [0:020]			

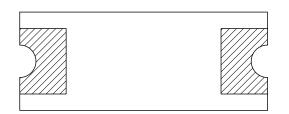


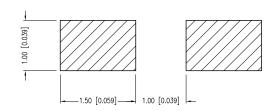
ELECTRO-OPTICAL	CHARACTERISTICS	TA =25°C	If= 20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100μA
AXIAL INTENSITY		7.0		mcd	If=20mA
VIEWING ANGLE		180		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH	l: GREEN	TRANSPARENT			

LIMITS OF SAFE OPERATION AT 25	řC .		
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 +85	•C	
STORAGE TEMP.	-40 TO +120	.C	
* t<10µS			

 $\top$ CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

## 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=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003), MIN=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}$ LINICONTROLLED DOCLIMENT



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

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

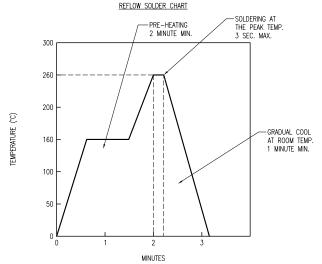
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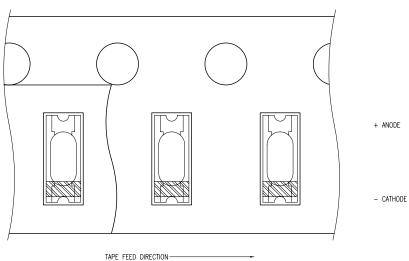
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	PAGE:	1 OF 2	CHKD BY:	SS
	SCALE:	NTS	APRVD BY:	JD
	UNIT:	mm [INCH]	Po	

UNCONTROLLED DOCUMENT

PART NUMBER         CCL—LX45GT         REV.         J           DATE         E.C.N. NUMBER AND REVISION COMMENTS         REV           11.20.95         ADDED TAPE AND REEL SPEC.         A           12.18.95         E.C.N. #10105.         B           04.08.96         E.C.N. #10176.         C           05.30.96         E.C.N. #10176.         D           11.09.98         E.C.N. #10BRDR. & REDRAWN.         E           04.28.99         E.C.N. #1011./ADDED SOLDER CHART.         F           06.17.99         E.C.N. #10524./CHANGED HEIGHT.         G           12.04.06         E.C.N. #11148.         H           01.04.10         E.C.N. #11148.         I           04.12.11         E.C.N. #10BRDR. & REDRAWN.         J			
11.20.95       ADDED TAPE AND REEL SPEC.       A         12.18.95       E.C.N. #10105.       B         04.08.96       E.C.N. #10143.       C         05.30.96       E.C.N. #10176.       D         11.09.98       E.C.N. #105RDR. & REDRAWN.       E         04.28.99       E.C.N. #10511./ADDED SOLDER CHART.       F         06.17.99       E.C.N. #10524./CHANGED HEIGHT.       G         12.04.06       E.C.N. #11148.       H         01.04.10       E.C.N. #11148.       I	PART NUMBER	CCL-LX45GT REV.	J
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05.30.96         E.C.N. #10176.         D           11.09.98         E.C.N. #10BRDR. & REDRAWN.         E           04.28.99         E.C.N. #10511./ADDED SOLDER CHART.         F           06.17.99         E.C.N. #10524./CHANGED HEIGHT.         G           12.04.06         E.C.N. #11148.         H           01.04.10         E.C.N. #11148.         I	12.18.95	E.C.N. #10105.	В
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04.28.99       E.C.N. #10511./ADDED SOLDER CHART.       F         06.17.99       E.C.N. #10524./CHANGED HEIGHT.       G         12.04.06       E.C.N. #11148.       H         01.04.10       E.C.N. #11148.       I	05.30.96	E.C.N. #10176.	D
06.17.99       E.C.N. #10524_/CHANGED HEIGHT.       G         12.04.06       E.C.N. #11148.       H         01.04.10       E.C.N. #11148.       I	11.09.98	E.C.N. #10BRDR. & REDRAWN.	Ε
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CERAMIC	CHIP,	SURFACE,	MOUNT	LED,	GREEN	TRANSPARENT,	TAPE AN	1D REEL	
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	DATE:	04.12.11	DRAWN BY:	AB
	PAGE:	2 OF 2	CHKD BY:	SS
	SCALE:	NTS	APRVD BY:	JD
	UNIT:	mm [INCH]	(Ps)	

## **Mouser Electronics**

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