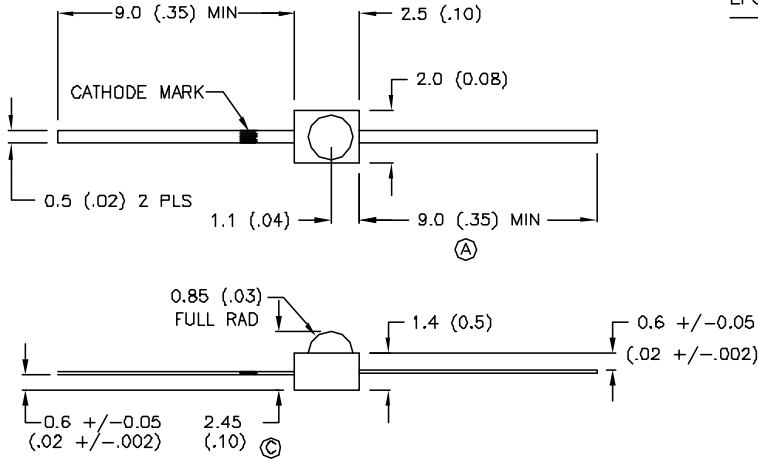


DATE	REVISIONS	REV
9-4-92	REDRAWN/ CHG'D LEAD LENGTH FROM "10.0 MIN" TO "9.0	A
8-2-93	CHG'D CATHODE MARK/	B
5-23-94	ADDED HEIGHT DIMENSION./	C
1-31-96	E.C.N. #10113 & 10120./	D

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		$2x$ theta	
EMITTED COLOR		RED			
EPOXY LENS FINISH		RED DIFFUSED			



LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.3	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

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 OPTO COMPONENTS INC.		292 E. HELLEN ROAD PALATINE, ILLINOIS 60087 (708) 359-2790	
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DATE: 9-4-92	DWN:	CHK'D:	APPD:
SCALE: N/A			
AXIAL LED, SUPER RED DIFFUSED			
PAGE 1 OF 1	DRAWING NUMBER SSL-LXA223SRD		REV D

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