



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}C$   $I_f=10mA$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE*		4.0/2.0	5.0/2.5	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_r=100\mu A$
AXIAL INTENSITY		6000		$\mu cd$	$I_f=10mA$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

\* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

\*  $t < 10\mu s$

\*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.=<sup>+DECIMAL PRECISION</sup>-0.00, MAX.=<sup>-DECIMAL PRECISION</sup>-0.00

REV.	PART NUMBER <b>LDS-CA104RI</b>
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**LUMEX**  
Creating LED and LCD Solutions Together™  
290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

1" SEVEN SEGMENT DISPLAY, 635nm RED,  
GREY FACE, WHITE SEGMENTS, COMMON CATHODE

**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: GB	CHECKED BY: JD	APPROVED BY: JD	DATE: 4.10.03 PAGE: 1 OF 1 SCALE: N/A
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