

DATE

REVISIONS

REV

DRAWING NUMBER  
LDS-AA104RI

REV

REPLACES PART# LDS-AA04RI

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		9800		$\mu\text{cd}$	$I_f=10\text{mA}$
EMITTED COLOR:	RED				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-20 TO +80	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
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**  
INCORPORATED

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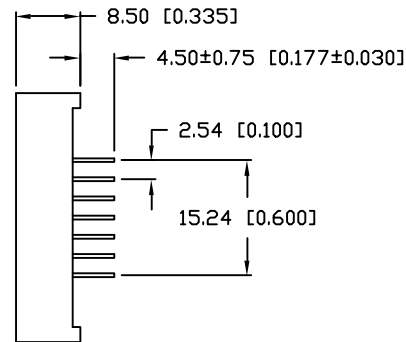
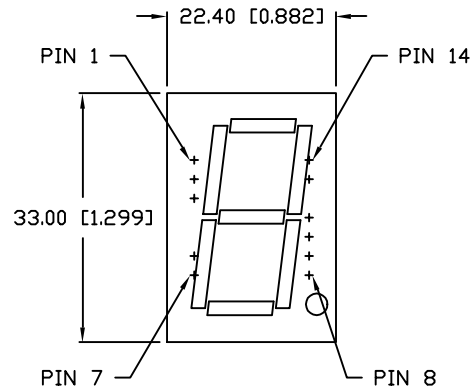
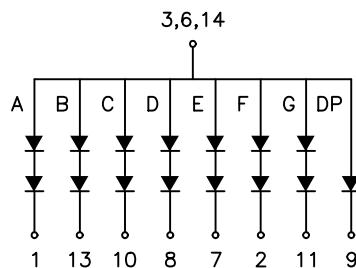
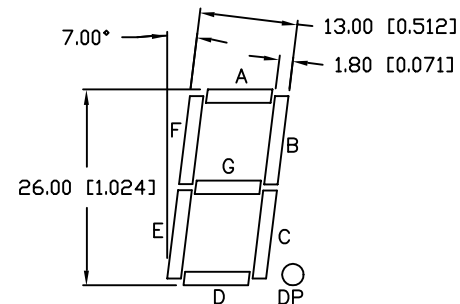
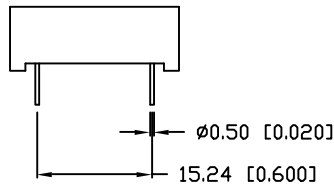
DATE: 2-23-98	DWN:	CHK'D:	APPD:
SCALE: N/A			

1" , SEVEN SEGMENT DISPLAY, 635nm RED,  
GREY FONT/WHITE SEGMENTS, COMMON ANODE.

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**DIGIT DETAIL**

COMMON ANODE  
NOTE: NO PIN 4,5,12

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

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