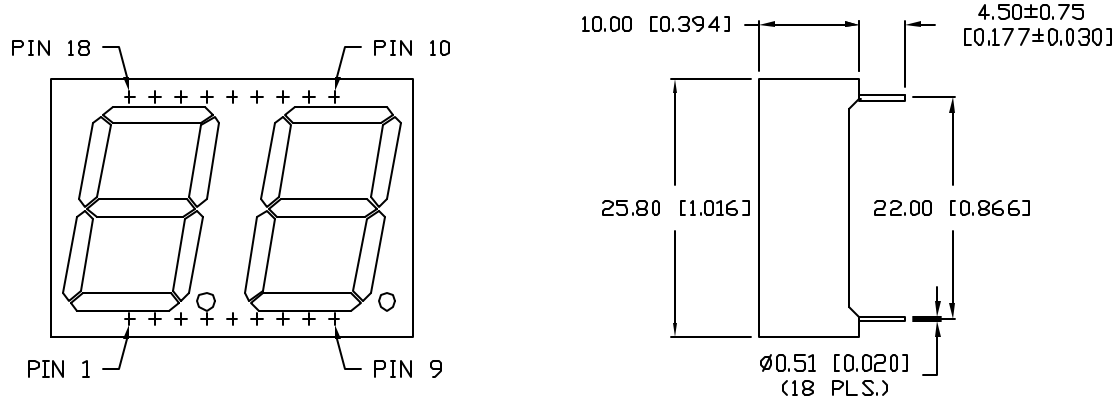


UNCONTROLLED DOCUMENT

ⓧ	PART NUMBER		REV.
	LDD-C814RI		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS		DATE
A	E.C.N. #10386.		10-15-97
B	E.C.N. #10396 & #10387.		11-7-97
C	E.C.N. #10BRDR. & REDRAWN.		2-12-99



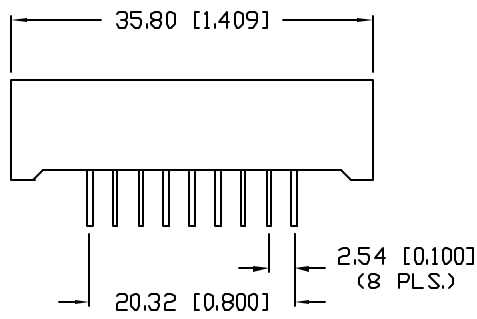
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$

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		3900		$\mu\text{cd}$	$I_f=10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

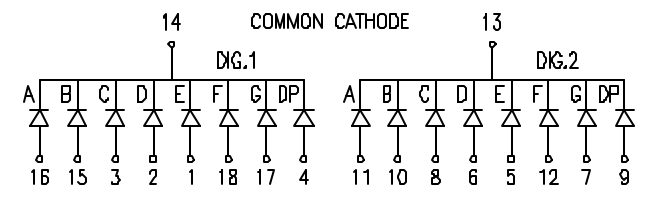
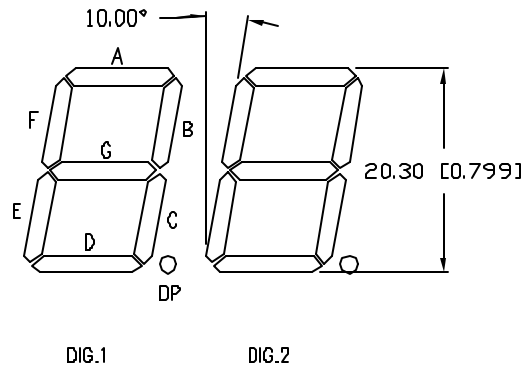
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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



CHARACTER DETAIL



UNCONTROLLED DOCUMENT

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

REV.	PART NUMBER
C	LDD-C814RI

**CONFIDENTIAL INFORMATION**  
 THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

**LUMEX INCORPORATED** 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067  
 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

0.80" SEVEN SEGMENT, DUAL DIGIT DISPLAY, 635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS, COMMON CATHODE, RIGHT DECIMAL PLACES.

**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: BC	CHECKED BY:	APPROVED BY:	DATE: 1-16-97
			PAGE: 1 OF 1
			SCALE: N/A