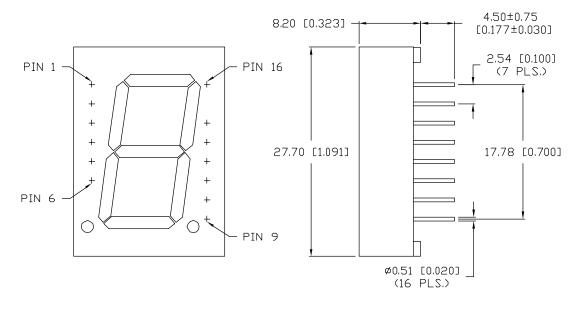
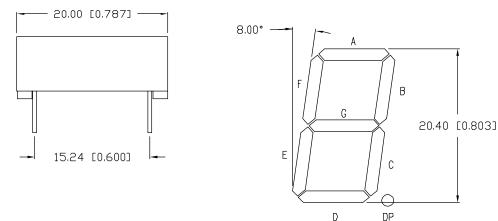
## UNCONTROLLED DOCUMENT



## CHARACTER DETAIL



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.

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.

PART NUMBER

LDS-C8012RI

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

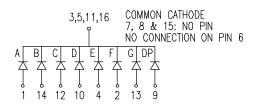
REV.

PARAMETER MIN TYP MAX UNITS TEST COND  PEAK WAVELENGTH 565 (GREEN) nm  FORWARD VOLTAGE 2.2 2.6 Vf  REVERSE VOLTAGE 5.0 Vr Ir=100µA  AXIAL INTENSITY 2500 µcd If=10mA  EMITTED COLOR: GREEN	ELECTRO-OPTICAL CHARACTERISTICS TA=25°C     f=10mA					
FORWARD VOLTAGE 2.2 2.6 Vf REVERSE VOLTAGE 5.0 Vr I $_{r}$ = 100 $\mu$ A AXIAL INTENSITY 2500 $\mu$ cd I $_{f}$ = 10 mA EMITTED COLOR: GREEN	PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
REVERSE VOLTAGE 5.0 $V_r$ $I_r$ =100 $\mu$ A AXIAL INTENSITY 2500 $\mu$ cd $I_f$ =10mA EMITTED COLOR: GREEN	PEAK WAVELENGTH	5	65 (GREEN)	)	nm	
AXIAL INTENSITY 2500 µcd I <sub>f</sub> =10mA EMITTED COLOR: GREEN	FORWARD VOLTAGE		2.2	2.6	Vf	
EMITTED COLOR: GREEN	REVERSE VOLTAGE	5.0			$V_{r}$	I <sub>r</sub> =100μΑ
	AXIAL INTENSITY		2500		μcd	$I_f = 10 \text{mA}$
	EMITTED COLOR:	GREEN				
FACE COLOR: GRAY	FACE COLOR:	GRAY				
SEGMENT COLOR: MILKY WHITE DIFFUSED	SEGMENT COLOR:	MILKY WHITE DIFFUSED				

## LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	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<10µS



## UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

LUNEX INCORPORATED

BC

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

SCALE:

N/A

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 1-25-99
PAGE: 1 OF 1

REV.

PART NUMBER

REPLACES PART #:LDS-C842RI

0.80" SEVEN SEGMENT DISPLAY, COMMON CATHODE, 565nm GREEN CHIPS, GRAY FACE WITH WHITE SGEMENTS.