

DATE

REVISIONS

REV

DRAWING NUMBER
LDS-C813RI

REV

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		2500		μcd	$I_f = 10\text{mA}$
EMITTED COLOR:	YELLOW				
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	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

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

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

 290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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DATE: 4-21-98

DWN:

CHK'D:

APPD:

SCALE:

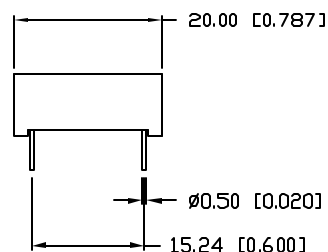
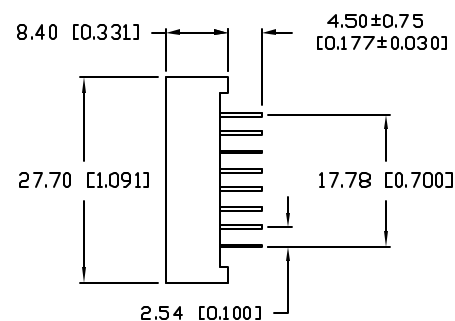
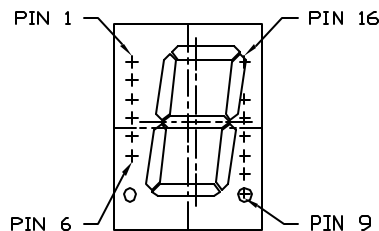
N/A

0.8" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 585nm YELLOW,
GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

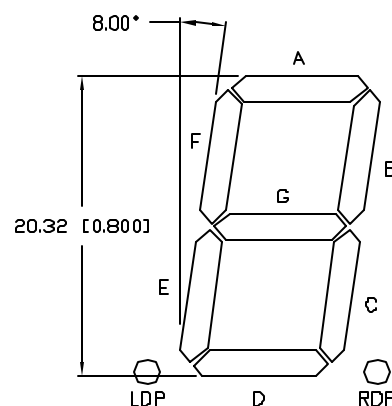
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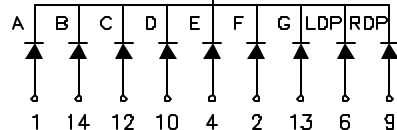


DIGIT DETAIL



3,5,11,16

COMMON CATHODE



NO PIN: 7, 8, & 15

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

DU