

DATE

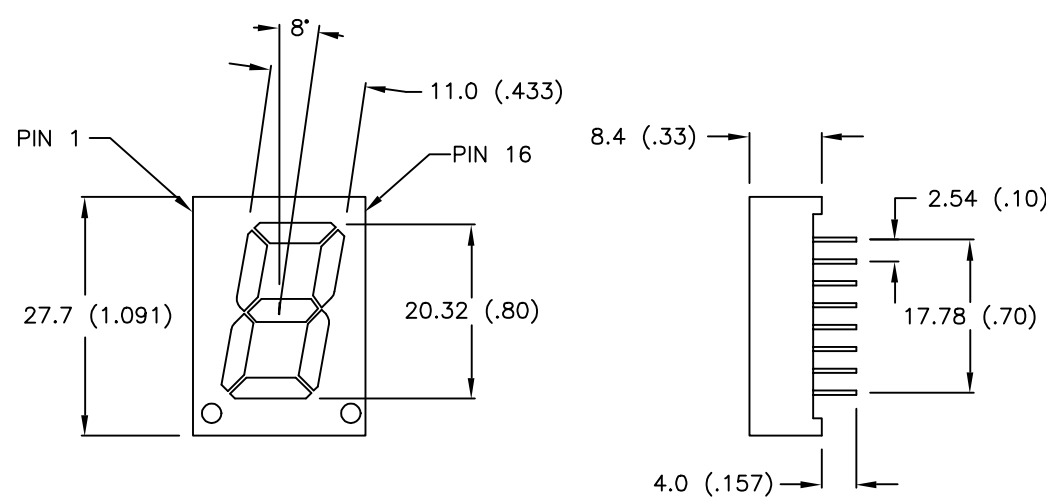
REVISIONS

REV

DRAWING NUMBER

LDS-A813RI

REV



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

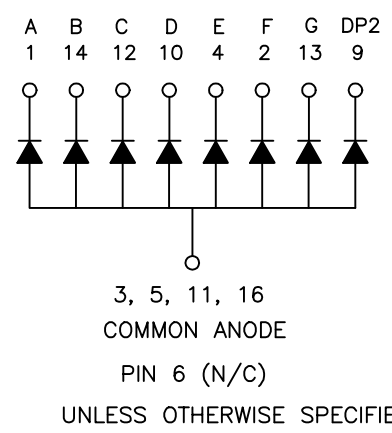
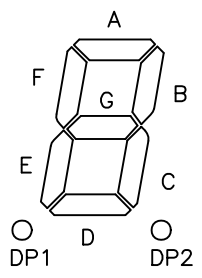
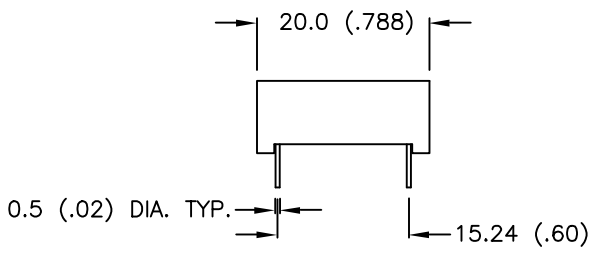
| PARAMETER       | MIN                  | TYP          | MAX | UNITS | TEST COND            |
|-----------------|----------------------|--------------|-----|-------|----------------------|
| PEAK WAVELENGTH |                      | 585 (YELLOW) |     | nm    |                      |
| FORWARD VOLTAGE |                      | 2.1          | 2.5 | $V_f$ |                      |
| REVERSE VOLTAGE | 5.0                  |              |     | $V_r$ | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 2500         |     | ucd   | $I_f=10\text{mA}$    |
| EMITTED COLOR   | YELLOW               |              |     |       |                      |
| EPOXY SEGMENT   | MILKY WHITE DIFFUSED |              |     |       |                      |
| FONT COLOR      | GRAY                 |              |     |       |                      |

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

| PARAMETER                        | MAX        | UNITS                        |
|----------------------------------|------------|------------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                           |
| STEADY CURRENT                   | 30         | mA                           |
| POWER DISSIPATION                | 105        | mW                           |
| DERATE FROM $25^{\circ}\text{C}$ | -1.6       | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP          | -40 TO +85 | $^{\circ}\text{C}$           |
| LEAD SOLDERING TEMP              | +260       | $^{\circ}\text{C}$           |
| 2.0mm FROM BODY                  | 3 SEC. MAX |                              |

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

- NOTES:
1. UNITS: mm (INCHES). TOLERANCE: 0.25 (0.01"), UNLESS OTHERWISE SPECIFIED.
  2.  $I_v$  TESTED CONDITION  $I_f=10\text{mA}$  AND THE LISTED  $I_v$  IS THE AVERAGE INTENSITY FOR EVERY SEGMENT LISTED.



**LUMEX**  
OPTO COMPONENTS INC.

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

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, 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.

DATE: 1-17-97

DWN:

CHK'D:

APPD:

SCALE: N/A

.8" SEVEN SEGMENT DISPLAY, YELLOW  
GRAY FONT, WHITE SEGMENT

PAGE 1 OF 1

DRAWING NUMBER  
LDS-A813RI

REV

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Lumex:](#)

[LDS-A813RI](#)