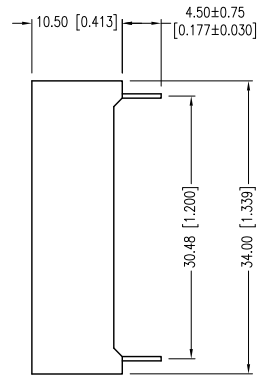
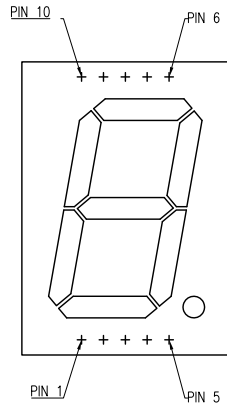


| | | | |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDS-CA16RI | REV. | B |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 06.05.98 | E.C.N. #10432. | | A |
| 01.22.13 | E.C.N. #10BRDR. & REDRAWN. | | B |

A



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|------------------|----------------------|-----------|---------|----------------|------------------------|
| PEAK WAVELENGTH | | 660 (RED) | | nm | |
| FORWARD VOLTAGE* | | 3.6/1.8 | 4.6/2.3 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 22,500 | | μcd | $I_f = 10\text{mA}$ |
| EMITTED COLOR: | RED | | | | |
| FONT COLOR: | GREY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

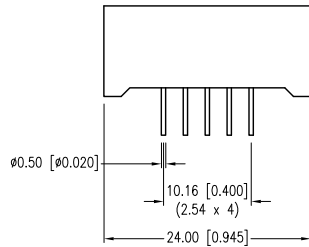
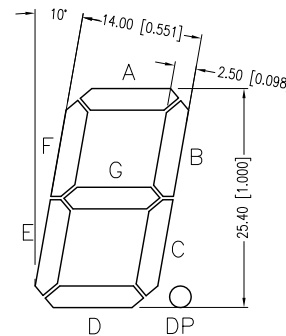
* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -20 TO +80 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

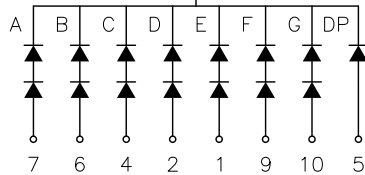
* $t < 10\mu\text{s}$

DIGIT DETAIL



3,8

COMMON CATHODE



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION



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1.0" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 660nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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|--------|-----------|-----------|----|
| DATE: | 01.22.13 | DRAWN BY: | MA |
| PAGE: | 1 OF 1 | CHKD BY: | KF |
| SCALE: | NTS | APRVD BY: | KF |
| UNIT: | mm [INCH] | | Ⓟ |