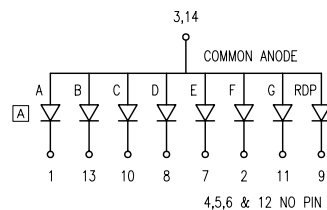
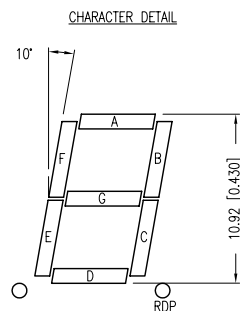
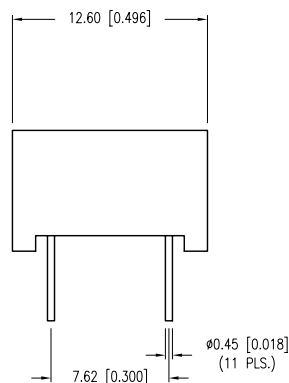
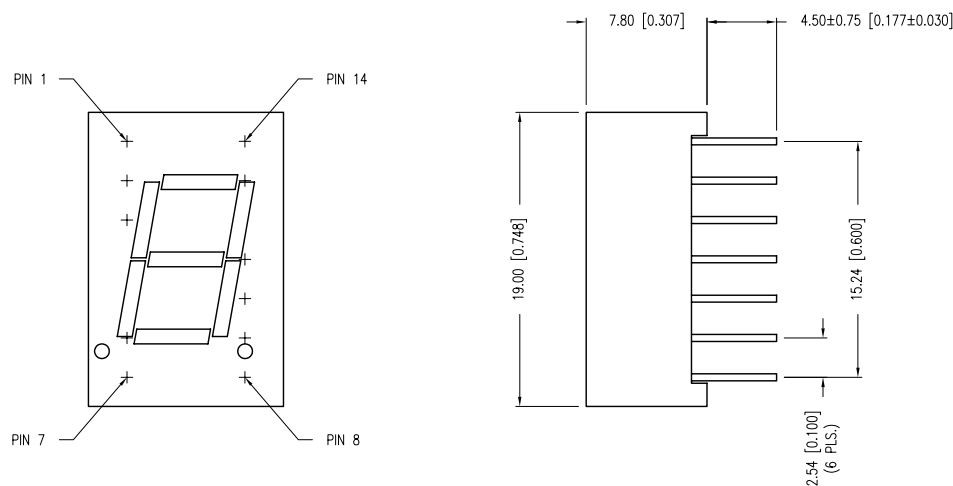


| PART NUMBER | LDS-A414RI                          | REV. | E    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 08.04.97    | E.C.N. #10369.                      |      | A    |
| 05.11.99    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |
| 02.28.06    | E.C.N. #11379/#10BRDR & REDRAWN.    |      | C    |
| 11.15.11    | E.C.N. #10BRDR.                     |      | D    |
| 11.17.11    | E.C.N. #11771.                      |      | E    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |                      |      |     |       |           |
|-------------------------------------------------|----------------------|------|-----|-------|-----------|
| PARAMETER                                       | MIN                  | TYP  | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH                                 |                      | 635  |     | nm    |           |
| FORWARD VOLTAGE                                 |                      | 2.0  | 2.5 | Vf    |           |
| REVERSE VOLTAGE                                 | 5.0                  |      |     | Vr    | Ir=100µA  |
| AXIAL INTENSITY                                 |                      | 3900 |     | mcd   | If=20mA   |
| EMITTED COLOR:                                  | RED                  |      |     |       |           |
| FACE COLOR:                                     | GRAY                 |      |     |       |           |
| EPOXY LENS FINISH:                              | MILKY WHITE DIFFUSED |      |     |       |           |

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 150        | mA    |
| STEADY CURRENT                   | 30         | mA    |
| POWER DISSIPATION                | 105        | mW    |
| DERATE FROM 25°C                 | -1.2       | mW/°C |
| OPERATING TEMP.                  | -40 TO +85 | °C    |
| STORAGE TEMP.                    | -40 TO +85 | °C    |
| SOLDERING TEMP.                  | +260       | °C    |
| 2.0mm FROM BODY                  | 3          | SEC.  |

\* t&lt;10µS

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.

\*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= +DECIMAL PRECISION MAX.= -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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0.43" SINGLE DIGIT, 7 SGM T DSPY, 635nm RED CHIPS, GRAY FACE W/WHT SGM TS, COMMON ANODE.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 11.15.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | JD |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓟ  |

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