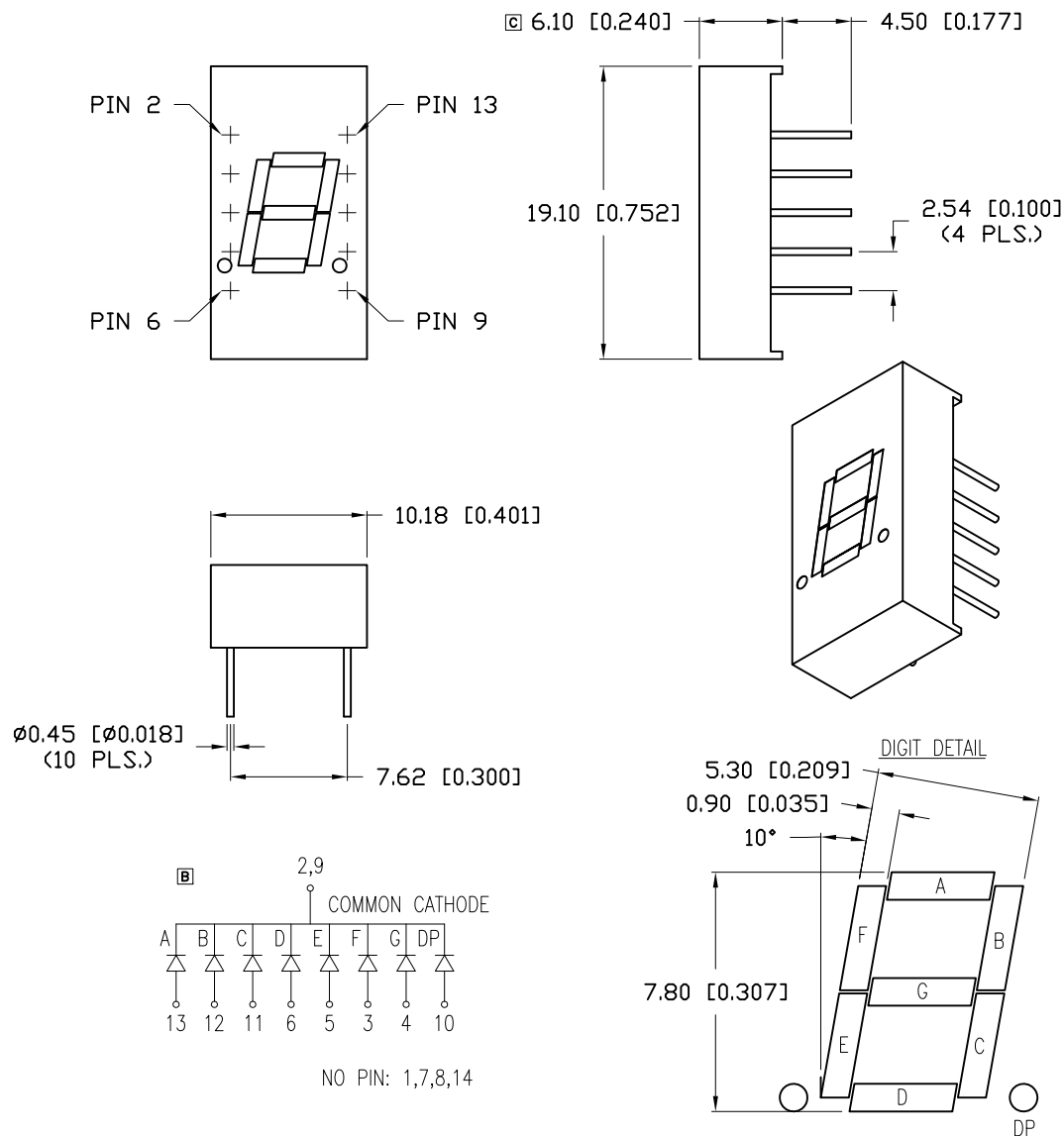


| PART NUMBER | LDS-C305RE | REV. | D |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 01.18.03 | E.C.N. #10BRDR. & REDRAWN IN 3D. | | A |
| 07.21.04 | E.C.N. #11153. | | B |
| 12.07.04 | E.C.N. #11193. | | C |
| 03.14.13 | E.C.N. #10BRDR. & REDRAWN. | | D |

A

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|--------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 700 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 880 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | RED | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 120 | mW |
| DERATE FROM 25°C | -1.6 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -30 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

*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.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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MEMBER OF ITW PHOTONICS GROUP

0.30" SEVEN SEGMENT, LED DISPLAY, COMMON CATHODE, 700nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS.

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

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| | | | |
|--------|-----------|-----------|------|
| DATE: | 03.14.13 | DRAWN BY: | MA |
| PAGE: | 1 OF 1 | CHKD BY: | DT |
| SCALE: | NTS | APRVD BY: | DT |
| UNIT: | mm [INCH] | | (Pc) |

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