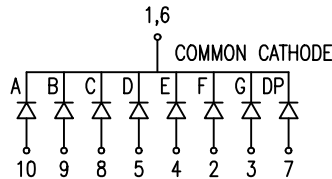
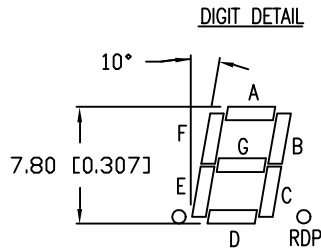
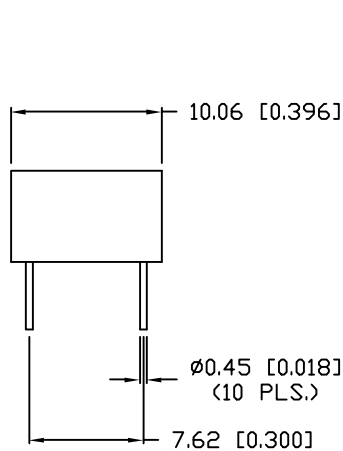


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=10\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|------------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 470 (BLUE) | | nm | $I_f=20\text{mA}$ |
| FORWARD VOLTAGE | | 3.5 | 4.0 | V_f | $I_f=20\text{mA}$ |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 4500 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | BLUE | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |



LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER | MAX | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 98 | mW |
| DERATE FROM 25°C | -1.0 | mW/°C |
| OPERATING, STORAGE TEMP. | -25 TO +80 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | 3 SEC. MAX | |

* 1/10 DUTY CYCLE. 0.1ms PULSE WIDTH.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*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 LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

| | |
|------|----------------------------------|
| REV. | PART NUMBER LDS-C347R1 |
|------|----------------------------------|

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PALATINE, ILLINOIS 60067
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WEB: <http://www.lumex.com>

0.3" SINGLE DIGIT, SEVEN SEGMENT DISPLAY,
470nm SUPER BLUE, GREY FACE,
MILKY WHITE SEGMENTS, COMMON CATHODE.

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.

| | | | |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 3-6-00 |
| TM/DU | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |