

## **Excellent Integrated System Limited**

Stocking Distributor

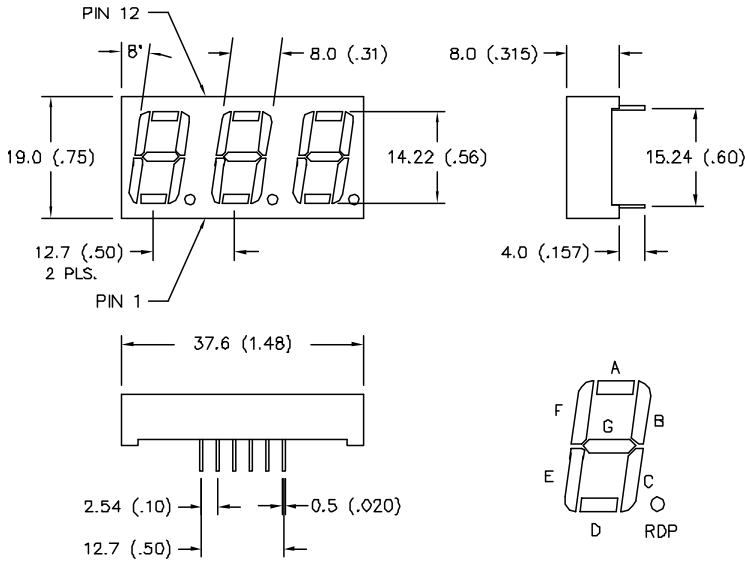
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[LDT-N516RI](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

|      |           |     |                              |     |
|------|-----------|-----|------------------------------|-----|
| DATE | REVISIONS | REV | DRAWING NUMBER<br>LDT-N516RI | REV |
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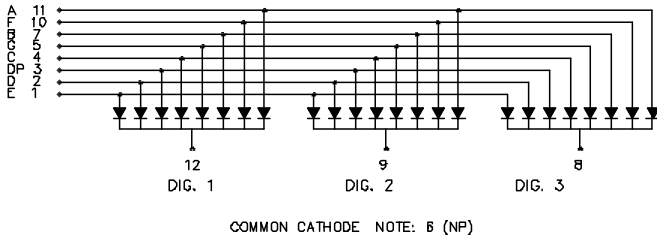
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$

| PARAMETER         | MIN   | TYP       | MAX | UNITS | TEST COND            |
|-------------------|-------|-----------|-----|-------|----------------------|
| PEAK WAVELENGTH   |       | 660 (RED) |     | nm    |                      |
| FORWARD VOLTAGE   |       | 1.7       | 2.4 | $V_f$ |                      |
| REVERSE VOLTAGE   | 5.0   |           |     | $V_r$ | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY   |       | 12,000    |     | ucd   | $I_f=10\text{mA}$    |
| EMITTED COLOR     | RED   |           |     |       |                      |
| EPOXY LENS FINISH | WHITE |           |     |       |                      |
| FONT COLOR        | GRAY  |           |     |       |                      |

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 | -40 TO +85 | °C         |
| LEAD SOLDERING TEMP     | +260       | °C         |
| 2.0mm FROM BODY         |            | 3 SEC. MAX |

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



|  |  |        |       |
|--|--|--------|-------|
| <b>LUMEX</b><br>OPTO COMPONENTS INC.   | 292 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60087<br>(708) 359-2790 |        |       |
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| DATE: 2-16-96  | DWN:   | CHK'D: | APPD: |
| SCALE: N/A   |  |        |       |
| TRIPLE DIGIT SEVEN SEGMENT DISPLAY<br>ORANGE W/ GRAY FONT, COMMON CATHODE  |  |        |       |
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