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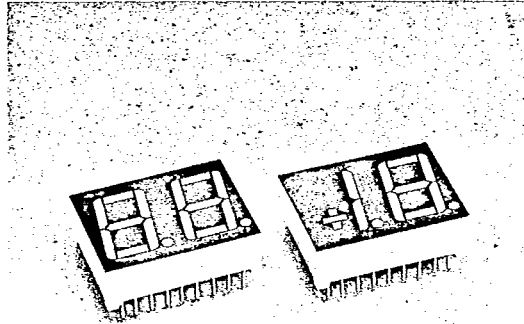
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**LITEON****LTD-6000 SERIES****0.56" DUAL DIGIT NUMERIC DISPLAYS**

T-41-33

**FEATURES**

- 0.56 INCH (14.2mm) DIGIT HEIGHT.
- CHOICE OF SIX BRIGHT COLORS-RED/BRIGHT RED/GREEN/YELLOW/ORANGE/HIGH EFFICIENCY RED.
- LOW POWER REQUIREMENT.
- EXCELLENT CHARACTERS APPEARANCE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- I.C. COMPATIBLE.
- EASY MOUNTING ON P.C. BOARD OR SOCKETS.

**DESCRIPTION**

The LTD-6000, series are 0.56 inch (14.2mm) high, dual digit displays.

The red series devices utilize LED chips which are made from GaAsP on a GaAs substrate. The bright red and green series devices utilize LED chips which are made from GaP on a transparent GaP substrate. The yellow, orange and high efficiency red series devices are utilize LED chips which are made from GaAsP on a transparent GaP substrate. Red and bright red displays have black face and red segment color. Green and yellow displays have gray face and white segment color. Orange displays have orange face and orange segment color. High efficiency red displays have red face and red segment color.

**DEVICES**

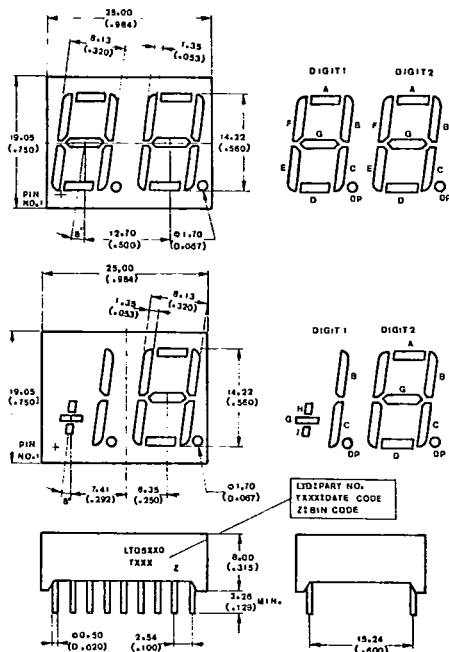
| PART NO. LTD- |            |       |        |        |             | DESCRIPTION                      | INTERNAL CIRCUIT DIAGRAM |
|---------------|------------|-------|--------|--------|-------------|----------------------------------|--------------------------|
| RED           | BRIGHT RED | GREEN | YELLOW | ORANGE | HI-EFF. RED |                                  |                          |
| 6710R         | 6710P      | 6410G | 6810Y  | 6610E  | 6910HR      | Common Anode, Rt. Hand Decimal   | A                        |
| 6730R         | 6730P      | 6430G | 6830Y  | 6630E  | 6930HR      | Common Anode, ±1.8 Overflow      | B                        |
| 6740R         | 6740P      | 6440G | 6840Y  | 6640E  | 6940HR      | Common Cathode, Rt. Hand Decimal | C                        |
| 6750R         | 6750P      | 6450G | 6850Y  | 6650E  | 6950HR      | Common Cathode, ±1.8 Overflow    | D                        |

5-128

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PACKAGE DIMENSIONS

LTD-6x10/6x30/6x40/6x50



NOTE: All dimensions are in  $\frac{\text{millimeters}}{\text{(inches)}}$  tolerance are:

1. Lead length (from seating plane):

$$\text{minimum value } \frac{+1.00}{-0.00} \text{ mm} \left( \frac{+0.040}{-0.000} \right)$$

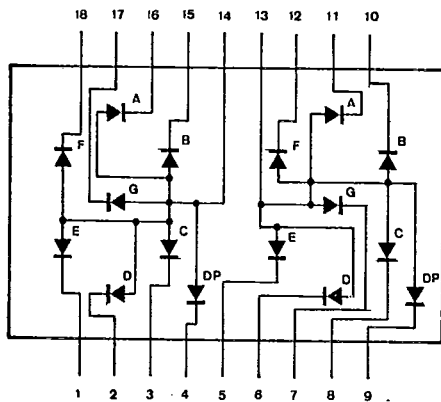
2.  $\frac{\pm 0.25 \text{ mm}}{(0.010)}$  unless otherwise noted.

PIN CONNECTION

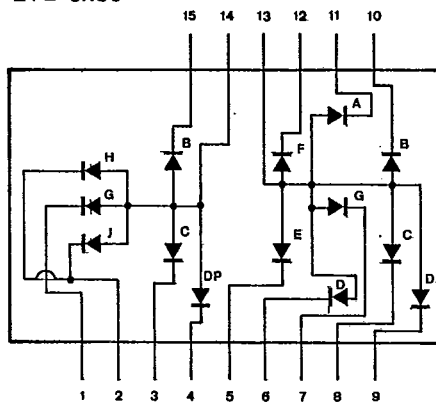
| PIN NO. | CONNECTION             |                        |                          |                          |
|---------|------------------------|------------------------|--------------------------|--------------------------|
|         | A. LTD-6x10            | B. LTD-6x30            | C. LTD-6x40              | D. LTD-6x50              |
| 1       | Cathode E (Digit 1)    | Cathode G (Digit 1)    | Anode E (Digit 1)        | Anode G (Digit 1)        |
| 2       | Cathode D (Digit 1)    | Cathode J, H (Digit 1) | Anode D (Digit 1)        | Anode J, H (Digit 1)     |
| 3       | Cathode C (Digit 1)    | Cathode C (Digit 1)    | Anode C (Digit 1)        | Anode C (Digit 1)        |
| 4       | Cathode D.P. (Digit 1) | Cathode D.P. (Digit 1) | Anode D.P. (Digit 1)     | Anode D.P. (Digit 1)     |
| 5       | Cathode E (Digit 2)    | Cathode E (Digit 2)    | Anode E (Digit 2)        | Anode E (Digit 2)        |
| 6       | Cathode D (Digit 2)    | Cathode D (Digit 2)    | Anode D (Digit 2)        | Anode D (Digit 2)        |
| 7       | Cathode G (Digit 2)    | Cathode G (Digit 2)    | Anode G (Digit 2)        | Anode G (Digit 2)        |
| 8       | Cathode C (Digit 2)    | Cathode C (Digit 2)    | Anode C (Digit 2)        | Anode C (Digit 2)        |
| 9       | Cathode D.P. (Digit 2) | Cathode D.P. (Digit 2) | Anode D.P. (Digit 2)     | Anode D.P. (Digit 2)     |
| 10      | Cathode B (Digit 2)    | Cathode B (Digit 2)    | Anode B (Digit 2)        | Anode B (Digit 2)        |
| 11      | Cathode A (Digit 2)    | Cathode A (Digit 2)    | Anode A (Digit 2)        | Anode A (Digit 2)        |
| 12      | Cathode F (Digit 2)    | Cathode F (Digit 2)    | Anode F (Digit 2)        | Anode F (Digit 2)        |
| 13      | Common Anode (Digit 2) | Common Anode (Digit 2) | Common Cathode (Digit 2) | Common Cathode (Digit 2) |
| 14      | Common Anode (Digit 1) | Common Anode (Digit 1) | Common Cathode (Digit 1) | Common Cathode (Digit 1) |
| 15      | Cathode B (Digit 1)    | Cathode B (Digit 1)    | Anode B (Digit 1)        | Anode B (Digit 1)        |
| 16      | Cathode A (Digit 1)    | No Connection          | Anode A (Digit 1)        | No Connection            |
| 17      | Cathode G (Digit 1)    | No Connection          | Anode G (Digit 1)        | No Connection            |
| 18      | Cathode F (Digit 1)    | No Connection          | Anode F (Digit 1)        | No Connection            |

INTERNAL CIRCUIT DIAGRAM

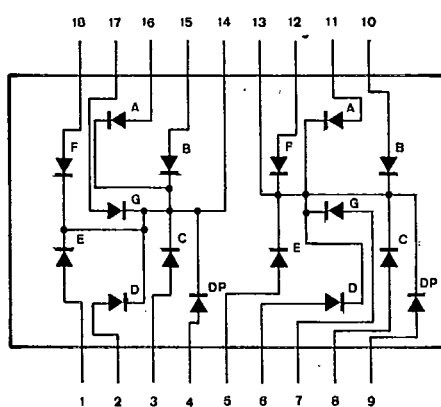
A. LTD-6x10



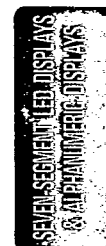
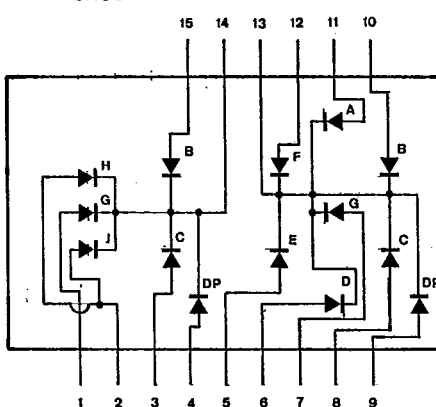
B. LTD-6x30



C. LTD-6x40



D. LTD-6x50



ABSOLUTE MAXIMUM RATINGS AT TA = 25°C

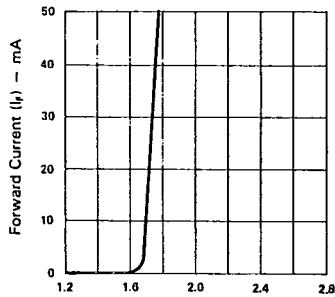
| PARAMETER   | RED            | BRIGHT RED | GREEN | YELLOW | ORANGE | HI-EFF. RED | UNIT  |
|---|----------------|------------|-------|--------|--------|-------------|-------|
| Power Dissipation Per Segment   | 55             | 40         | 75    | 60     | 75     | 75          | mW    |
| Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)   | 160            | 60         | 100   | 80     | 100    | 100         | mA    |
| Continuous Forward Current Per Segment                                  | 25             | 16         | 25    | 20     | 25     | 25          | mA    |
| Derating Linear From 25°C Per Segment                                   | 0.3            | 0.18       | 0.3   | 0.24   | 0.3    | 0.3         | mA/°C |
| Reverse Voltage Per Segment   | 5              | 5          | 5     | 5      | 5      | 5           | V     |
| Operating Temperature Range   | -25°C to +85°C |            |       |        |        |             |       |
| Storage Temperature Range   | -25°C to +85°C |            |       |        |        |             |       |
| Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260°C |                |            |       |        |        |             |       |

**ELECTRICAL/OPTICAL CHARACTERISTICS AT TA = 25°C  
LTD-6700R SERIES**

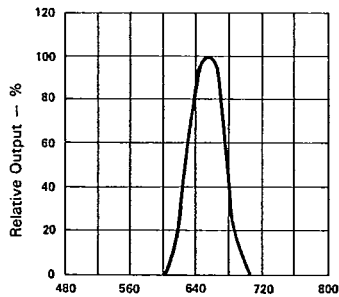
| PARAMETER                         | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION        |
|-----------------------------------|-----------------|------|------|------|----------------|-----------------------|
| Average Luminous Intensity        | $I_v$           | 200  | 600  |      | $\mu\text{cd}$ | $I_F = 10 \text{ mA}$ |
| Peak Emission Wavelength          | $\lambda_p$     |      | 655  |      | nm             | $I_F = 20 \text{ mA}$ |
| Spectral Line Half-Width          | $\Delta\lambda$ |      | 24   |      | nm             | $I_F = 20 \text{ mA}$ |
| Forward Voltage, any Segment      | $V_F$           |      | 1.7  | 2.0  | V              | $I_F = 20 \text{ mA}$ |
| Reverse Current, any Segment      | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5 \text{ V}$   |
| Luminous Intensity Matching Ratio | $I_v\text{-m}$  |      |      | 2:1  |                | $I_F = 20 \text{ mA}$ |

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

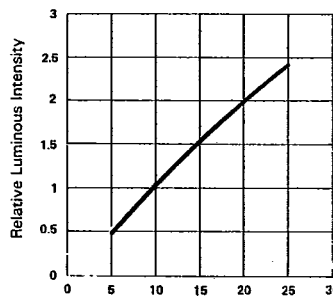
(25°C Ambient Temperature Unless Otherwise Noted)



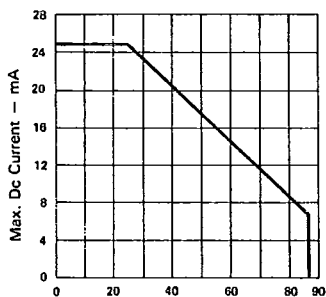
Forward Voltage ( $V_F$ ) - Volts  
Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.



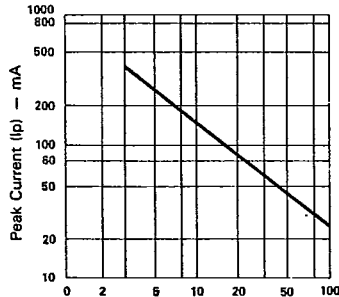
Wavelength ( $\lambda$ ) - nm.  
Fig. 2 SPECTRAL RESPONSE.



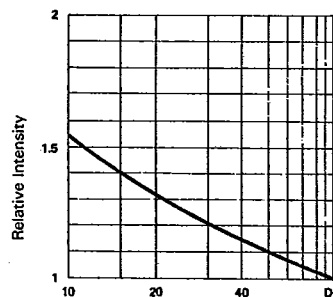
Forward Current ( $I_F$ ) - mA  
Fig. 3 RELATIVE LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).



Ambient Temperature ( $T_A$ ) - °C  
Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.



Duty Cycle %  
Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE - F = 1 KHz)



Duty Cycle %  
Fig. 6 LUMINOUS INTENSITY Vs. DUTY CYCLE% (AVERAGE  $I_F = 10\text{mA}$  PER SEG.)

ELECTRICAL/OPTICAL CHARACTERISTICS AT  $T_A = 25^\circ\text{C}$   
LTD-6700P SERIES

| PARAMETER                         | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION       |
|-----------------------------------|-----------------|------|------|------|----------------|----------------------|
| Average Luminous Intensity        | $I_v$           | 300  | 950  |      | $\mu\text{cd}$ | $I_F = 10\text{ mA}$ |
| Peak Emission Wavelength          | $\lambda_p$     |      | 697  |      | nm             | $I_F = 20\text{ mA}$ |
| Spectral Line Half-Width          | $\Delta\lambda$ |      | 90   |      | nm             | $I_F = 20\text{ mA}$ |
| Forward Voltage, any Segment      | $V_F$           |      | 2.1  | 2.8  | V              | $I_F = 20\text{ mA}$ |
| Reverse Current, any Segment      | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5\text{ V}$   |
| Luminous Intensity Matching Ratio | $I_v\text{-m}$  |      |      | 2:1  |                | $I_F = 20\text{ mA}$ |

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

( $25^\circ\text{C}$  Ambient Temperature Unless Otherwise Noted)

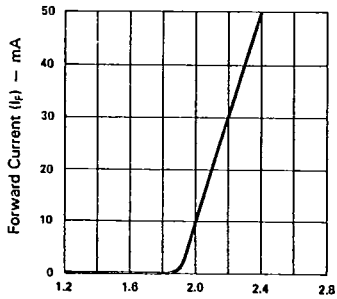


Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.

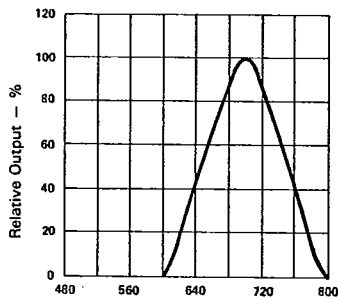


Fig. 2 SPECTRAL RESPONSE.

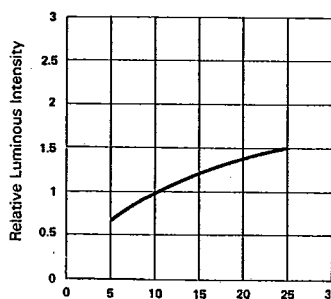


Fig. 3 RELATIVE, LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).

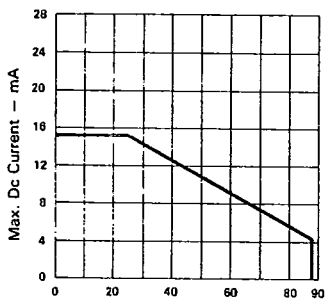


Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.

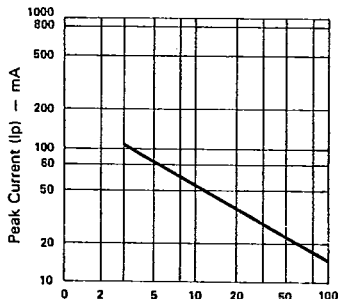


Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE -  $F = 1\text{ KHz}$ )

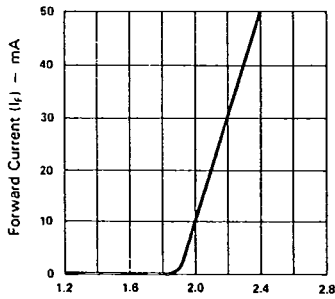


**ELECTRICAL/OPTICAL CHARACTERISTICS AT TA = 25°C**  
**LTD-6400G SERIES**

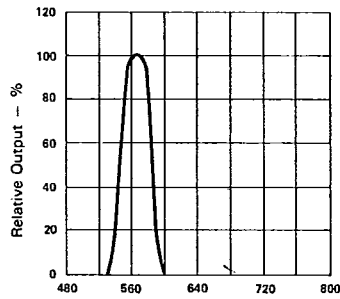
| PARAMETER                         | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION        |
|-----------------------------------|-----------------|------|------|------|----------------|-----------------------|
| Average Luminous Intensity        | $I_v$           | 800  | 2400 |      | $\mu\text{cd}$ | $I_F = 10 \text{ mA}$ |
| Peak Emission Wavelength          | $\lambda_p$     |      | 565  |      | nm             | $I_F = 20 \text{ mA}$ |
| Spectral Line Half-Width          | $\Delta\lambda$ |      | 30   |      | nm             | $I_F = 20 \text{ mA}$ |
| Forward Voltage, any Segment      | $V_F$           |      | 2.1  | 2.8  | V              | $I_F = 20 \text{ mA}$ |
| Reverse Current, any Segment      | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5 \text{ V}$   |
| Luminous Intensity Matching Ratio | $I_{v-m}$       |      |      | 2:1  |                | $I_F = 20 \text{ mA}$ |

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

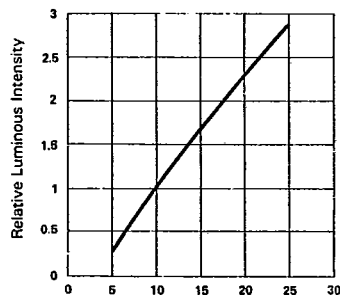
(25°C Ambient Temperature Unless Otherwise Noted)



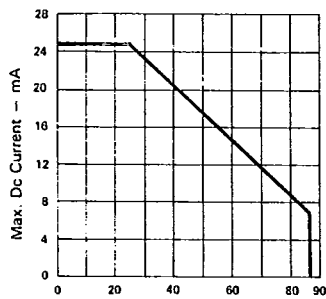
Forward Voltage ( $V_f$ ) - Volts  
 Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.



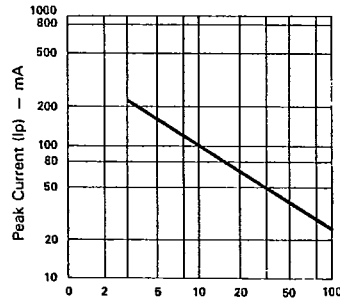
Wavelength ( $\lambda$ ) - nm.  
 Fig. 2 SPECTRAL RESPONSE.



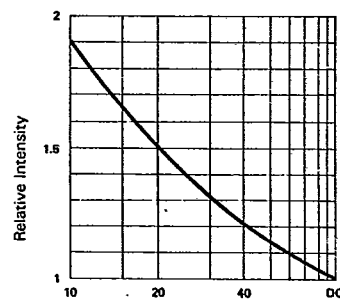
Forward Current ( $I_f$ ) - mA  
 Fig. 3 RELATIVE LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).



Ambient Temperature ( $T_a$ ) - °C  
 Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.



Duty Cycle %  
 Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE - F = 1 KHz)



Duty Cycle %  
 Fig. 6 LUMINOUS INTENSITY Vs. DUTY CYCLE% (AVERAGE  $I_f = 10\text{mA}$  PER SEG.)

**ELECTRICAL/OPTICAL CHARACTERISTICS AT TA = 25°C  
LTD-6800Y SERIES**

| PARAMETER                         | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION        |
|-----------------------------------|-----------------|------|------|------|----------------|-----------------------|
| Average Luminous Intensity        | $I_v$           | 800  | 2400 |      | $\mu\text{cd}$ | $I_F = 10 \text{ mA}$ |
| Peak Emission Wavelength          | $\lambda_p$     |      | 585  |      | nm             | $I_F = 20 \text{ mA}$ |
| Spectral Line Half-Width          | $\Delta\lambda$ |      | 35   |      | nm             | $I_F = 20 \text{ mA}$ |
| Forward Voltage, any Segment      | $V_F$           |      | 2.1  | 2.8  | V              | $I_F = 20 \text{ mA}$ |
| Reverse Current, any Segment      | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5 \text{ V}$   |
| Luminous Intensity Matching Ratio | $I_v\text{-m}$  |      |      | 2:1  |                | $I_F = 20 \text{ mA}$ |

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

(25°C Ambient Temperature Unless Otherwise Noted)

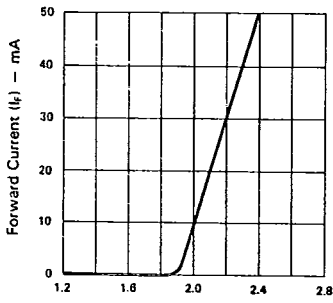


Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.

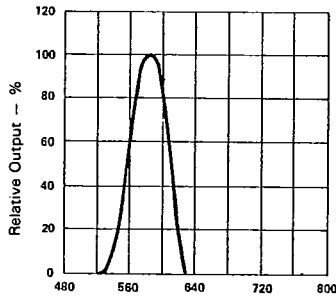


Fig. 2 SPECTRAL RESPONSE.

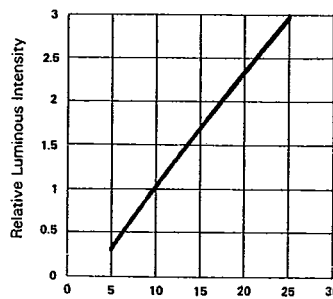


Fig. 3 RELATIVE LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).

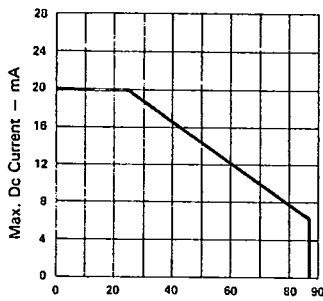


Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.

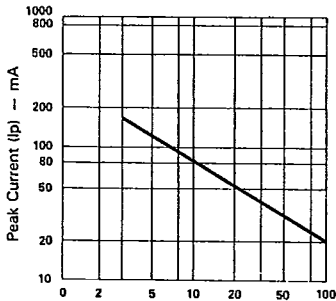


Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE - F = 1 KHz)

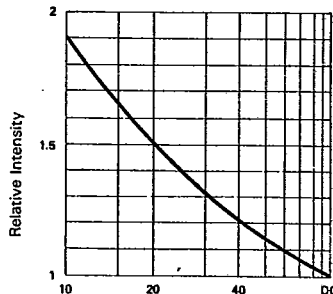


Fig. 6 LUMINOUS INTENSITY Vs. DUTY CYCLE% (AVERAGE  $I_F = 10\text{mA}$  PER SEG.)

SEMI-SEGMENTED DISPLAYS  
& ANCHOMERIC DISPLAYS



**ELECTRICAL/OPTICAL CHARACTERISTICS AT TA = 25°C**  
**LTD-6600E SERIES**

| PARAMETER                         | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION        |
|-----------------------------------|-----------------|------|------|------|----------------|-----------------------|
| Average Luminous Intensity        | $I_v$           | 800  | 2400 |      | $\mu\text{cd}$ | $I_F = 10 \text{ mA}$ |
| Peak Emission Wavelength          | $\lambda_p$     |      | 630  |      | nm             | $I_F = 20 \text{ mA}$ |
| Spectral Line Half-Width          | $\Delta\lambda$ |      | 40   |      | nm             | $I_F = 20 \text{ mA}$ |
| Forward Voltage, any Segment      | $V_F$           |      | 2.1  | 2.8  | V              | $I_F = 20 \text{ mA}$ |
| Reverse Current, any Segment      | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5 \text{ V}$   |
| Luminous Intensity Matching Ratio | $I_v\text{-m}$  |      |      | 2:1  |                | $I_F = 20 \text{ mA}$ |

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

(25°C Ambient Temperature Unless Otherwise Noted)

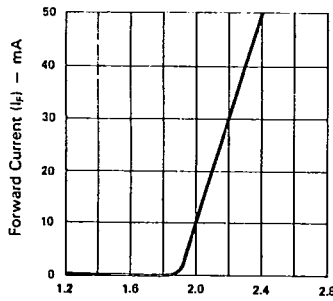


Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.

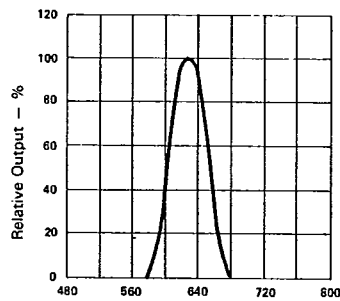


Fig. 2 SPECTRAL RESPONSE.

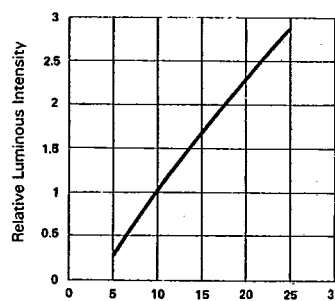


Fig. 3 RELATIVE, LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).

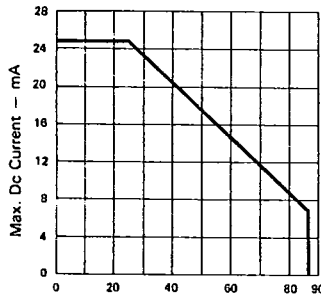


Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.

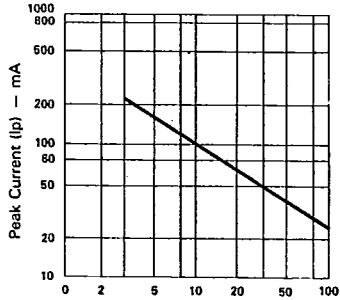


Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE - F = 1 KHz)

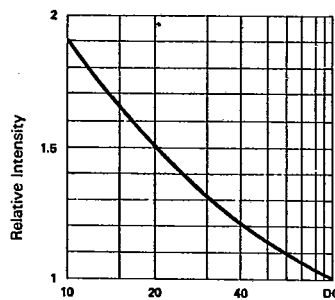


Fig. 6 LUMINOUS INTENSITY Vs. DUTY CYCLE% (AVERAGE  $I_F = 10\text{mA}$  PER SEG.)

ELECTRICAL/OPTICAL CHARACTERISTICS AT  $T_A = 25^\circ\text{C}$   
LTD-6900HR SERIES

| PARAMETER                            | SYMBOL          | MIN. | TYP. | MAX. | UNIT           | TEST CONDITION       |
|--------------------------------------|-----------------|------|------|------|----------------|----------------------|
| Average Luminous Intensity           | $I_v$           | 800  | 2400 |      | $\mu\text{cd}$ | $I_F = 10\text{ mA}$ |
| Peak Emission Wavelength             | $\lambda_p$     |      | 635  |      | nm             | $I_F = 20\text{ mA}$ |
| Spectral Line Half-Width             | $\Delta\lambda$ |      | 40   |      | nm             | $I_F = 20\text{ mA}$ |
| Forward Voltage, any Segment or D.P. | $V_F$           |      | 2.1  | 2.8  | V              | $I_F = 20\text{ mA}$ |
| Reverse Current, any Segment or D.P. | $I_R$           |      |      | 100  | $\mu\text{A}$  | $V_R = 5\text{ V}$   |
| Luminous Intensity Matching Ratio    | $I_v\text{-m}$  |      |      | 2:1  |                | $I_F = 20\text{ mA}$ |

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

( $25^\circ\text{C}$  Ambient Temperature Unless Otherwise Noted)

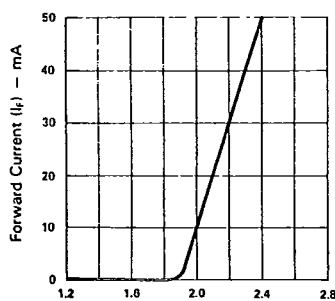


Fig. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE.

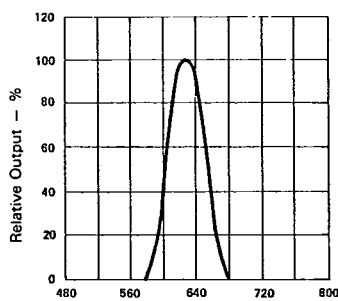


Fig. 2 SPECTRAL RESPONSE.

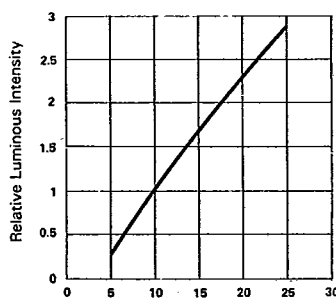


Fig. 3 RELATIVE LUMINOUS INTENSITY Vs. FORWARD CURRENT (PER SEGMENT).

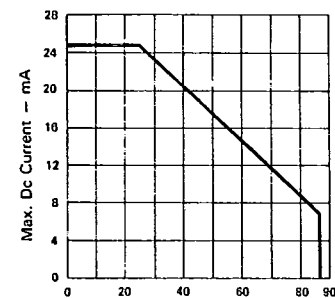


Fig. 4 MAX. ALLOWABLE DC CURRENT PER SEG. Vs AMBIENT TEMPERATURE.

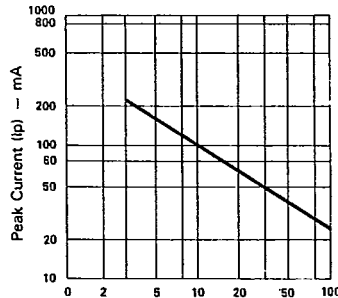


Fig. 5 MAX. PEAK CURRENT Vs. DUTY CYCLE.% (REFRESH RATE -  $F = 1\text{ KHz}$ )

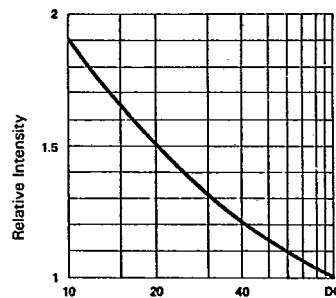
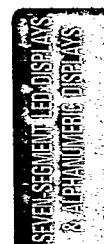


Fig. 6 LUMINOUS INTENSITY Vs. DUTY CYCLE% (AVERAGE  $I_f = 10\text{mA}$  PER SEG.)



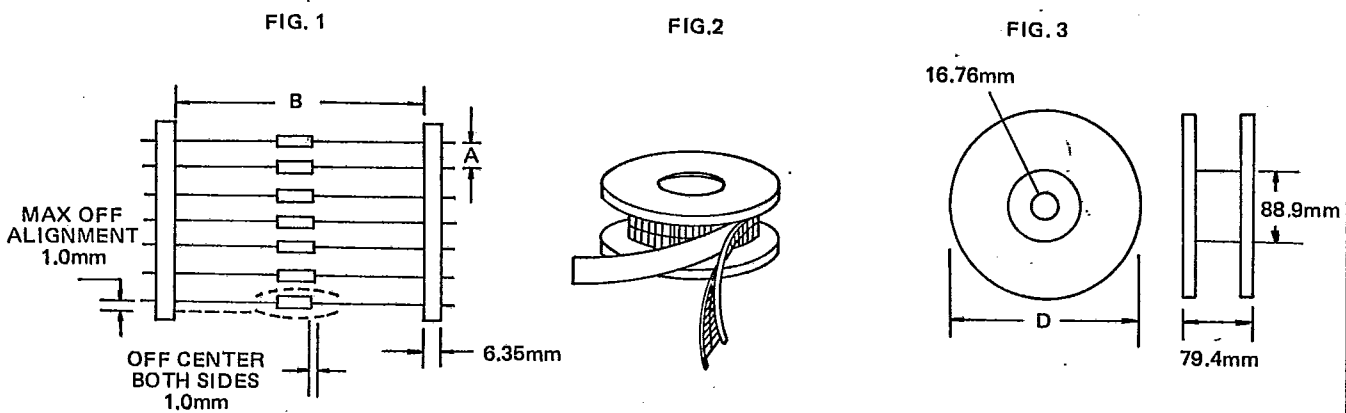
# PACKAGING

T-90-20

## Reel Packaging (Axial Lead Units)

| DEVICE TYPE     | COMPONENT SPACE (MM) "A" | TAPE SPACE (MM) "B" | REEL DIA (MM) "D" | QUANTITY (EA) |        | CARTON          |             |
|-----------------|--------------------------|---------------------|-------------------|---------------|--------|-----------------|-------------|
|                 |                          |                     |                   | REEL          | CARTON | SIZE (MM)       | WEIGHT (KG) |
| DO-41<br>DO-41L | 5±0.5                    | 52.4±1.5            | 326~336           | 5000          | 20K    | 355 x 355 x 355 | 10.5        |
| DO-201AD        | 10±0.5                   | 52.4±1.5            | 326~336           | 1200          | 4.8K   | 355 x 355 x 355 | 9.0         |
| P6(Aleg)        | 10±0.5                   | 52.4±1.5            | 326~336           | 700           | 2.8K   | 355 x 355 x 355 | 8.8         |

The C dimension of Fig. 3 is between 3.17m.m. and 635mm greater than the length of the component involved.

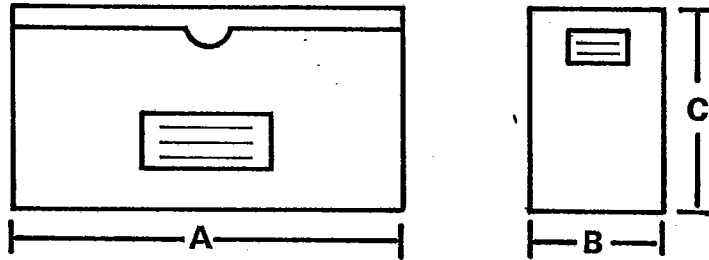


## Bulk Packaging (Axial Lead Devices and Bridge Rectifiers)

| DEVICE TYPE     | PACKAGING SIZE (MM) |                 | QUANTITY (EA) |        | APPROX GROSS WEIGHT (KG) |        |
|-----------------|---------------------|-----------------|---------------|--------|--------------------------|--------|
|                 | BOX                 | CARTON          | BOX           | CARTON | BOX                      | CARTON |
| DO-41<br>DO-41L | 196 x 84 x 20       | 450 x 210 x 250 | 1000          | 50K    | 0.38                     | 20     |
| DO-201AD        | 305 x 93 x 59       | 355 x 355 x 355 | 1000          | 20K    | 1.35                     | 28     |
| P6(Aleg)        | 305 x 93 x 59       | 355 x 355 x 355 | 500           | 10K    | 1.2                      | 24.5   |
| PBM             | 357 x 125 x 60      | 530 x 360 x 340 | 1000          | 20K    | 1.5                      | 32.3   |
| PBDF            | 495 x 155 x 145     | 500 x 325 x 305 | 5000          | 20K    | 5.1                      | 21.5   |
| PBP             | 357 x 125 x 60      | 530 x 360 x 340 | 500           | 10K    | 1.5                      | 31.5   |
| PBL             | 375 x 220 x 155     | 470 x 385 x 455 | 1000          | 5K     | 5.7                      | 30.5   |
| PBPC-6          | 357 x 125 x 60      | 560 x 360 x 340 | 250           | 5K     | 1.1                      | 22     |
| PBPC-8          | 357 x 125 x 60      | 560 x 360 x 340 | 250           | 5K     | 1.7                      | 35     |
| KBPC            | 375 x 220 x 365     | 470 x 390 x 385 | 500           | 1K     | 15.1                     | 31.5   |
| KBPC-W          | 375 x 220 x 365     | 470 x 390 x 385 | 500           | 1K     | 14.5                     | 30.0   |

**AMMO BOX PACKAGING**

**BOX SIZE**



Unit:m. m.

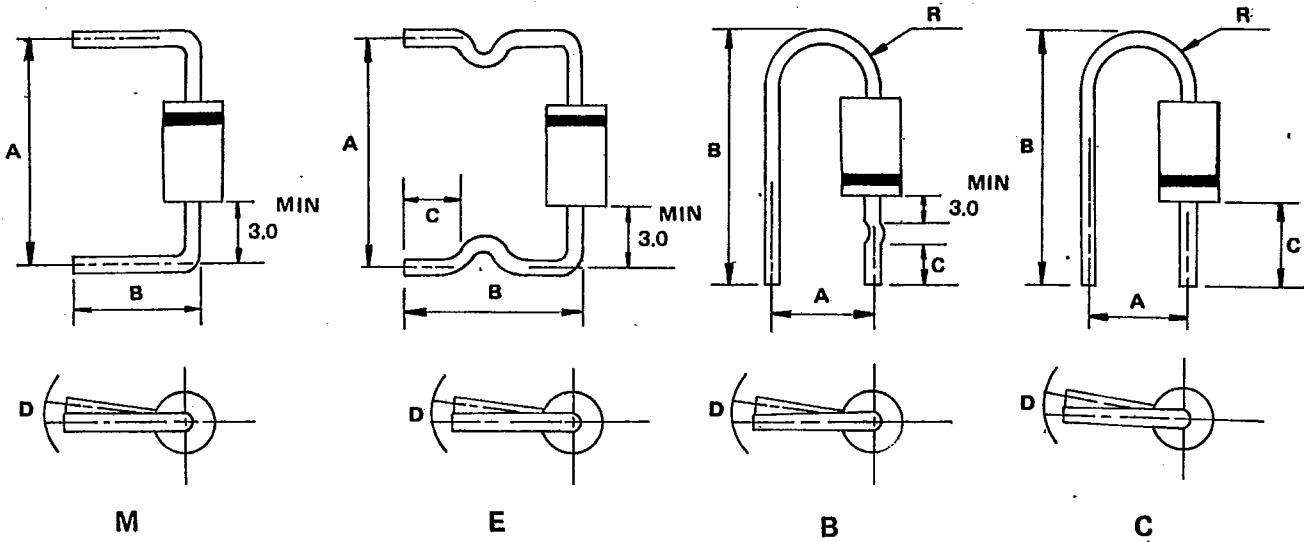
| Packaging                 | Products Outline            | Dimension *A* | Dimension *B* | Dimension *C* | Q'ty per BOX |
|---------------------------|-----------------------------|---------------|---------------|---------------|--------------|
| 26MM Horizontal Ammo Pack | DO-41<br>DO-41L(0.6mm Lead) | 255           | 50            | 95            | 3K           |
|                           |                             |               |               |               | 3K           |
| 52MM Horizontal Ammo Pack | DO-41and DO-41L<br>DO 201AD | 250           | 75            | 92            | 3K           |
|                           |                             |               |               |               | 0.8K         |

**CARTON SIZE**

Unit:m. m.

| Packaging                 | Products Outline            | length | Width | High | Q'ty Per Carton |
|---------------------------|-----------------------------|--------|-------|------|-----------------|
| 26MM Horizontal Ammo Pack | DO-41<br>DO-41L(0.6mm Lead) | 330    | 310   | 268  | 42K             |
|                           |                             |        |       |      | 48K             |
| 52MM Horizontal Ammo Pack | DO-41and DO-41L<br>DO 201AD | 355    | 355   | 340  | 12K             |

# PREFORMED LEAD DRAWING



| Case type | Preformed type | A (mm)    |           | B (mm)    |           | C (mm)   |           | D (mm) |           | R (mm)  |           |
|-----------|----------------|-----------|-----------|-----------|-----------|----------|-----------|--------|-----------|---------|-----------|
|           |                | range     | tolerance | range     | tolerance | range    | tolerance | range  | tolerance | range   | tolerance |
| D041      | M              | 9.0-20.0  | 1.0       | 8.0-22.0  | ±0.5      | —        | —         | 1.5    | max       | —       | —         |
|           | E              | 11.0-20.0 | ±1.0      | 11.0-16.0 | ±1.0      | 4.0-5.0  | ±0.5      | 1.5    | max       | —       | —         |
|           | B              | 7.5       | ±0.5      | 19.0-22.0 | ±0.5      | 7.5      | ±0.5      | 1.5    | max       | 2.5-4.0 | Typ       |
|           | C              | 4.5       | ±0.8      | 18.0-19.0 | ±0.5      | 9.0      | ±0.5      | 1.5    | max       | 2.5-4.0 | Typ       |
| D0201AD   | M              | 15.0-20.0 | ±1.0      | 8.0-22.0  | ±1.0      | —        | —         | 2.0    | max       | —       | —         |
|           | E              | 15.0-20.0 | ±1.0      | 10.0-22.0 | ±1.0      | 3.0-15.0 | ±0.5      | 2.0    | max       | —       | —         |
| P6(Aleg)  | M              | 15.0-20.0 | ±1.0      | 8.0-22.0  | ±1.0      | —        | —         | 2.0    | max       | —       | —         |