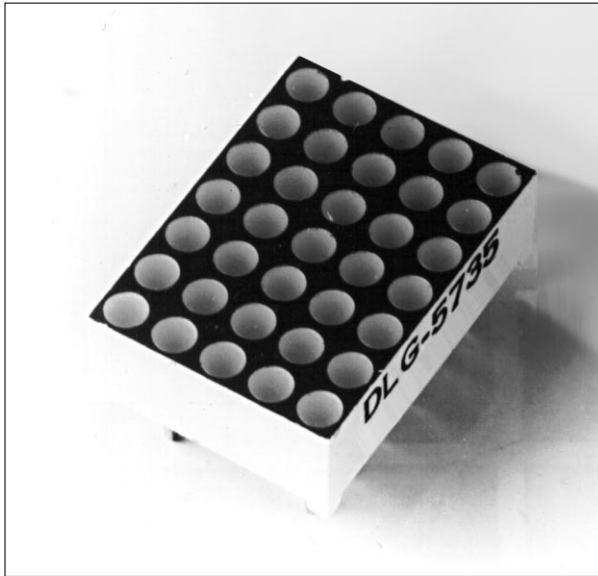




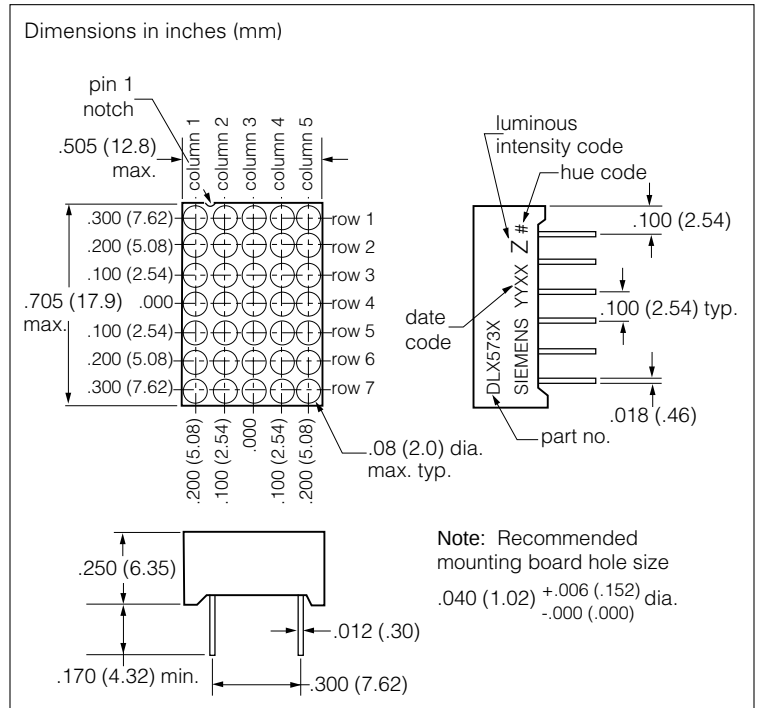
RED DLR5735
RED DLR5736
GREEN DLG5735
GREEN DLG5736

0.69" (17.5 mm) Single Character
5 x 7 Dot Matrix Alphanumeric Display
(No Built-In CMOS Drive Circuitry)



FEATURES

- **DLR/DLG5735 Common Row Cathode**
- **DLR/DLG5736 Common Row Anode**
- **5 x 7 Matrix Array with Row-Column Select**
- **End & Side Stackable**
- **Rugged Encapsulation (Filled Reflector Construction)**
- **Compatible with ASCII and EBCDIC Format**
- **Standard 12 pin, 0.3" Pin Spacing, Dual-In-line Package**
- **Good "OFF" Segment Contrast**
- **Grey Face with Clear Segments**



DESCRIPTION

The DLR5735/5736 Series (gallium arsenide phosphide) and the DLG5735/5736 Series (gallium phosphide) are 5 x 7 dot matrix light emitting diode alphanumeric displays.

Compatible with ASCII and EBCDIC formats, these displays are well suited for use in keyboard verifiers, computer peripheral equipment, and other applications requiring an alphanumeric display. They are stackable both horizontally and vertically to generate large alphanumeric or even graphic displays.

Maximum Ratings

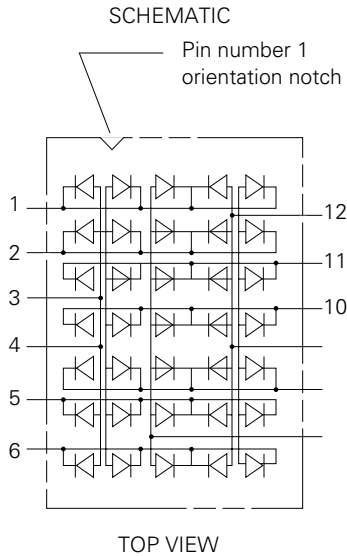
Power Dissipation (Package).....	750 mW
Derate Linearly from 25°C.....	11.5 mW/°C
Storage/Operating Temperature.....	-20°C to +70°C
Continuous Forward Current Per Segment	20 mA
Pulse Peak Current/Segment, 20% Duty Cycle	100 mA
Reverse Voltage	
DLR5735/5736.....	3.0 V
DLG5735/5736.....	5.0 V
Solder Temperature, 1/16" below seating plane, 5.0 s.....	260°C

Electrical/Optical Characteristics ($T_A=25^{\circ}\text{C}$)

Parameter	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity Digit Average (per dot) DLR5735/5736 DLG5735/5736	100 320	200 650	—	μcd μcd	$I_F=20\text{ mA}$ $I_F=10\text{ mA}$
Forward Voltage DLR5735/5736 DLG5735/5736	—	1.7 2.3	2.0 3.0	V V	$I_F=20\text{ mA}$ $I_F=20\text{ mA}$
Reverse Current DLR5735/5736 DLG5735/5736	—	—	100 100	μA μA	$V_R=3.0\text{ V}$ $V_R=5.0\text{ V}$
Peak Emission Wavelength DLR5735/5736 DLG5735/5736	—	650 565	—	nm nm	—
Spectral Line Half-width DLR5735/5736 DLG5735/5736	—	40 30	—	nm nm	—

Pin Configurations

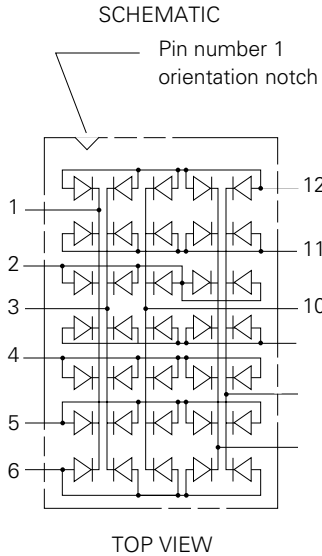
**DLR5735
DLG5735**



Pin Function

1	Row 1 Cathode
2	Row 2 Cathode
3	Column 2 Anode
4	Column 1 Anode
5	Row 6 Cathode
6	Row 7 Cathode
7	Column 3 Anode
8	Row 5 Cathode
9	Column 4 Anode
10	Row 4 Cathode
11	Row 3 Cathode
12	Column 5 Anode

**DLR5736
DLG5736**



Pin Function

1	Column 1 Cathode
2	Row 3 Anode
3	Column 2 Cathode
4	Row 5 Anode
5	Row 6 Anode
6	Row 7 Anode
7	Column 4 Cathode
8	Column 5 Cathode
9	Row 4 Anode
10	Column 3 Cathode
11	Row 2 Anode
12	Row 1 Anode

Block Diagram

