

NSN74R, NSN74L 1/3 inch GaAsP Seven Segment Numeric Displays

GENERAL DESCRIPTION

The NSN74R and NSN74L are single digit, common cathode, GaAsP, numeric displays. They are 1/3 in. in height and offer the convenience of left hand, NSN74L or right hand, NSN74R decimal point. The utilisation of optical reflective techniques offer economic advantages as well as improved appearance in the form of uniform segment intensity. The NSN74R will provide a colon configuration when adjacent units are reversed.

APPLICATIONS

These solid state displays are for industrial and consumer applications such as:

Desk top calculators

Digital clocks and stopwatches

Point of sale equipment

Panel meters

TV channel indicators

Elevator floor indicators

Any equipment where hours, minutes and seconds must be displayed.

REFERENCE TABLE

Code	Stock No.
NSN74L	34847X
NSN74R	34848H

FEATURES

NSN74R have bright decimal points and when paired display a bright colon

1/3 in characters

Viewing distance up to 10 feet

Common cathode construction

Compatible with IC's

Fast switching - excellent for multiplexing

Broad stroke width for extended viewing time

Single plane wide angle viewing

Standard 14 pin DIP

Solid state reliability

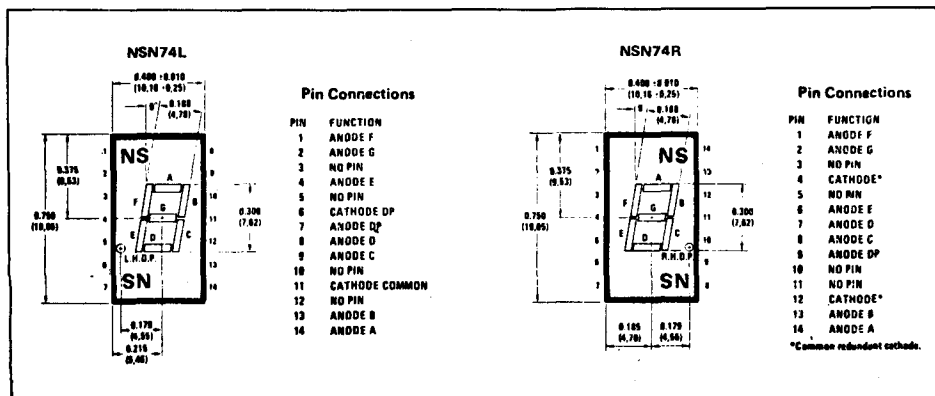
Low cost

Pin for pin replacement for MAN-74, DL-704

ABSOLUTE MAXIMUM RATINGS

Power Dissipation, $T_A = 25^\circ\text{C}$	400 mW
Power Derate Factor	5.0 mW/ $^\circ\text{C}$
Storage and Operating Temperature	-20°C to $+85^\circ\text{C}$
DC Current/Segment or DP, $T_A = 25^\circ\text{C}$	30 mA
Average Current/Segment or DP, $T_A = 25^\circ\text{C}$	25 mA
Peak Current/Segment or DP, $T_A = 25^\circ\text{C}$	250 mA
Reverse Voltage/Segment or DP	5.0 V
Solder Temperature, 1/16 in. below Seating Plane, $t \leq 5$ seconds	240 $^\circ\text{C}$

CONNECTION DIAGRAM



PLEASE QUOTE STOCK NO. AND MANUFACTURER'S CODE WHEN ORDERING