Dieter’s

Nixie Tube Data Archive

This file is a part of Dieter's Nixie- and display tubes data archive

If you have more datasheets, articles, books, pictures or other information about Nixie tubes or other display devices please let me know.
Thank you!

Document in this file	Sylvania datasheet: 6482 Dekatron tube
Display devices in this document	6482

File created by Dieter Waechter
www.tube-tester.com

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MECHANICAL DATA

Mounting Position . . . . Any (Count is Read From Top of Tube)
Zero Position (Output Cathode) . . . . Aligned with Pin #6 ± 12°

ELECTRICAL DATA

RATINGS (Absolute Values)

Total Anode Current	0.60 Ma	Max.
Voltage Between Electrodes (Other Than Anode)	140 Volts	Max.
Supply Voltage (Anode to Cathode)	350 Volts	Min.
Input Frequency	4,000 P.P.S.	Max.

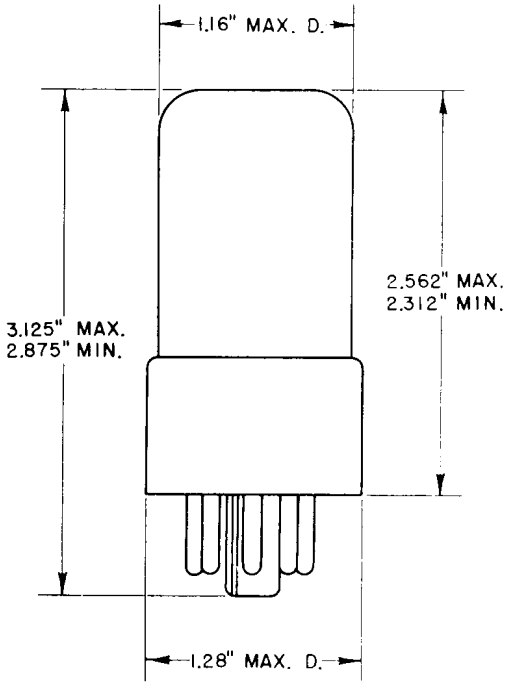
TYPICAL OPERATION

DC Supply Voltage	400 Volts
Anode Resistor	0.47 Megohm
Nominal Tube Drop (Under These Conditions)	191 Volts
Cathode Resistor	68,000 Ohms
Output Voltage (Developed Across Cathode Resistor)	15 Volts

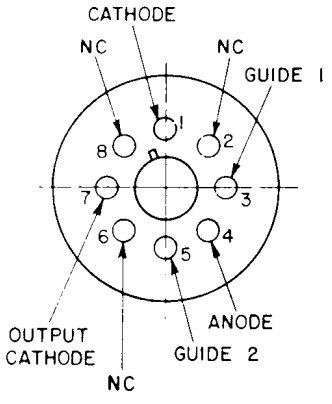
APPLICATION DATA

The Sylvania Type 6482 is a cold single output cathode, bidirectional, decade counter tube. It is designed for use in medium speed decimal counting apparatus such as scalers, computers and dividers. The count is determined by noting the position of the glow on any one of the ten radially spaced cathodes around an axially positioned anode.

OUTLINE DRAWING



BASE CONNECTIONS



QUICK REFERENCE DATA

Cold single output cathode, bidirectional decade counter tube. The 6482 is similar to the 6476 which has a multiple output cathode.

SYLVANIA ELECTRIC PRODUCTS INC.

ELECTRONICS DIVISION
WOBURN, MASS.

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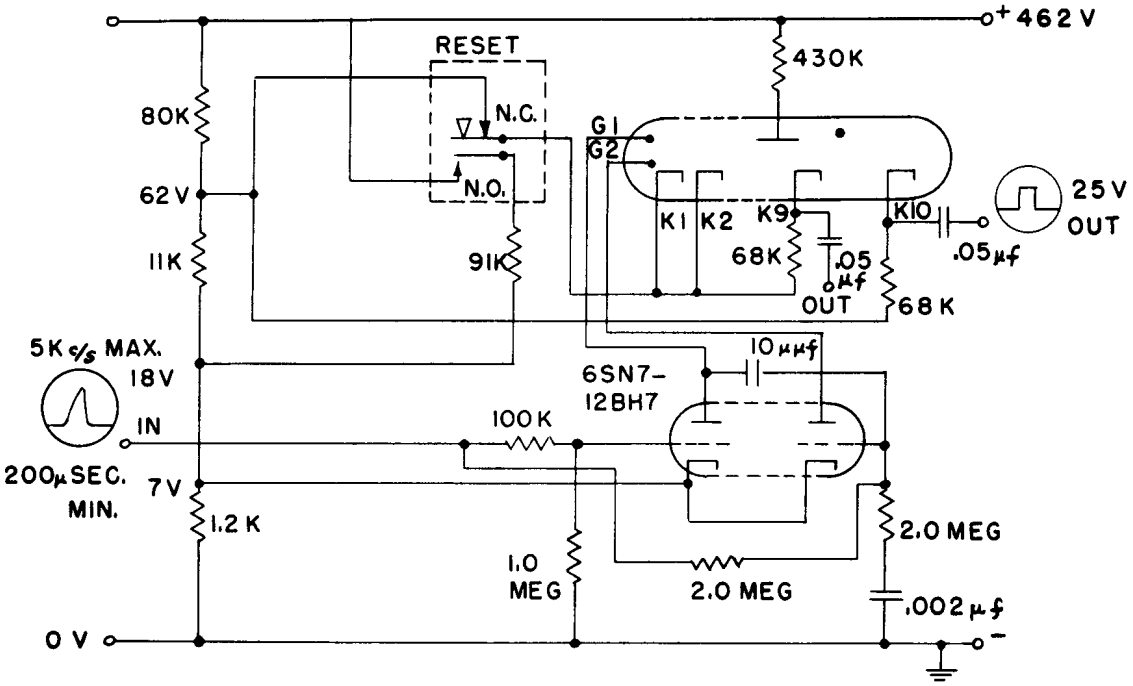
The driving circuits given on this and the following page for Sylvania glow transfer counter tube types 6476 and 6482 offer certain advantages over the previously published circuits.

The important feature of the new circuits is that they provide an essentially square wave pulse to the guide pins. A square wave driving pulse assures stable operation throughout the life of the 6476 and 6482 tubes in spite of small changes which may occur in the guide voltages.

Note: The B+ of the driver is obtained through the guide to anode capacity of the counter tube.



6476 GLOW TRANSFER COUNTER TUBE DRIVER CIRCUIT