SYLVANIA ELECTRIC PRODUCTS INC.

Technical Data

TYPE 2825
Full Wave Rectifier

Physical Specifications:

Coated Unipotential Cathode
Base
Bulb
Maximum Diameter
Maximum Overall Length
Maximum Seated Height,

Pin Connections:
Pin 1 = Heater
Pin 2 = No connection
Pin 3 = Plate #1
Pin 4 = Heater Center tap
Pin 5 = No connection
Pin 6 = Plate #2
Pin 7 = Cathode
Pin 8 = Heater

Mounting Position:

Any

O B J

Ratings:

Heater Voltage 28.0 Volts
Heater Current 0.240 Amps
Maximum AC Plate Voltage (RMS) Condenser Input 325 Volts
Maximum AC Plate Voltage (RMS) Choke Input 450 Volts
Maximum Peak Inverse Voltage 1250 Volts
Maximum DC Heater to Cathode Potential 450 Volts
Maximum Steady-State Peak Plate Current Per Plate 300 Ma.
Tube Voltage Drop: Measured with applied DC at 100 ma. per plate.

Typical Operating Conditions: Full Wave Rectifier

Condenser Input to Filter:

Heater Voltage 28.0 Volts
AC Plate voltage per Plate (RMS) 325 Volts
DC Output Current 100 Ma.
Total Effective Plate Supply Impedance per plate† 75 Ohms

Choke Input to Filter:

Heater Voltage 28.0 Volts
AC Plate Voltage per Plate (RMS) 450 Volts
DC Output Current 100 Ma.
Minimum Value of Input Choke 6 Henrys

† When filter condenser larger than 40 mfd's are used, it may be necessary to add additional plate supply impedance.

CHK:dd
9-24-42

from RMA release #307, Oct. 1, 1942