

# Hygrade Sylvania

CORPORATION

## TECHNICAL DATA

### SYLVANIA TYPE 6ZY5G

#### Full-Wave Rectifier

#### CHARACTERISTICS

Heater Voltage AC or DC	6.3 Volts
Heater Current	0.3 Ampere

#### OPERATING CONDITIONS AND CHARACTERISTICS

Heater Voltage AC or DC	6.3 Volts
A-C Voltage per Plate (RMS)	350 Volts Max.
D-C Output Current	35 Ma. Max.
Peak Inverse Voltage	1000 Volts
Peak Plate Current per Plate	150 Ma.
Voltage between Heater and Cathode	400 Volts DC Max.
Tube Voltage Drop (at 35 ma.)	16.5 Volts Approx.

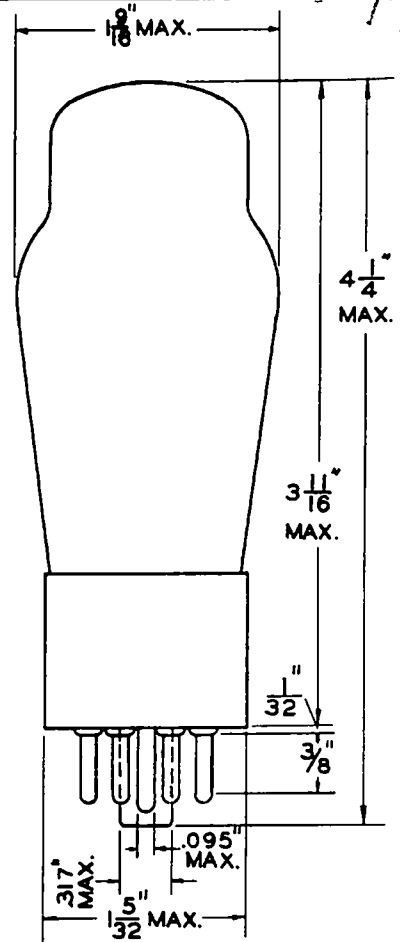
#### CIRCUIT APPLICATION

Sylvania Type 6ZY5G is a heater type, high vacuum, full-wave rectifier designed especially for use in receivers equipped with low current drain tubes. If a Class B output stage is employed this rectifier is capable of supplying maximum currents up to 40 milliamperes while for straight Class A operation the maximum of 35 milliamperes should not be exceeded.

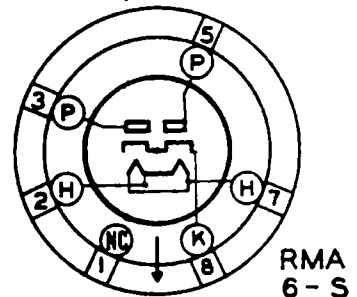
In order to obtain satisfactory output and regulation careful consideration should be given to secure proper filtering. Filter circuits of the condenser-input or the choke-input type are applicable. Special ratings for the choke-input condition will be available in the near future.

If the d-c resistance from the plate to center-tap of the power transformer is not greater than 225 ohms enough resistance should be inserted in series with each plate to provide this minimum of resistance.

SYLVANIA #116  
6ZY5G 5/25/37



TUBE AND BASE DIAGRAM  
(BOTTOM VIEW)



from RMA release #116, May 25, 1937