

# SYLVANIA ELECTRIC

## RTMA Registration Data

### TYPE 6AZ5 DOUBLE DIODE

The Type 6AZ5 is a general purpose double diode designed for use as a diode detector, AVC rectifier and low current power supply rectifier.

#### MECHANICAL DATA

Style.....subminiature  
Cathode.....unipotential  
Bulb.....T-3  
Base.....K8-1, Subminiature Button--Flexible Leads  
Outline.....3-1  
Maximum Diameter.....0.400 inch  
Maximum Overall Bulb Length.....1.375 inches  
Mounting Position.....any  
Basing.....8DF-0-5

#### Lead Connections:

Lead 1 .. #2 diode plate	Lead 5 .. internal shield
Lead 2 .. #2 diode cathode	Lead 6 .. heater
Lead 3 .. heater	Lead 7 .. #1 diode cathode
Lead 4 .. no connection	Lead 8 .. #1 diode plate

#### ELECTRICAL DATA

##### RATINGS -- Design Center System

Maximum Plate Supply Voltage (ac, each plate).....	150	volts
Maximum Peak Inverse Voltage.....	420	volts
Maximum Steady State Peak Plate Current (each plate).....	24	milliamps
Maximum Output Current (dc, each plate).....	4	milliamps
Maximum Heater-Cathode Voltage (dc).....	±330	volts

##### CHARACTERISTICS

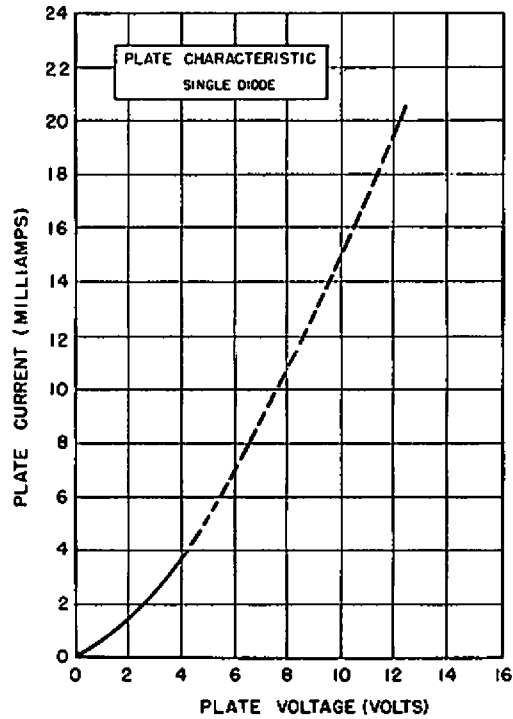
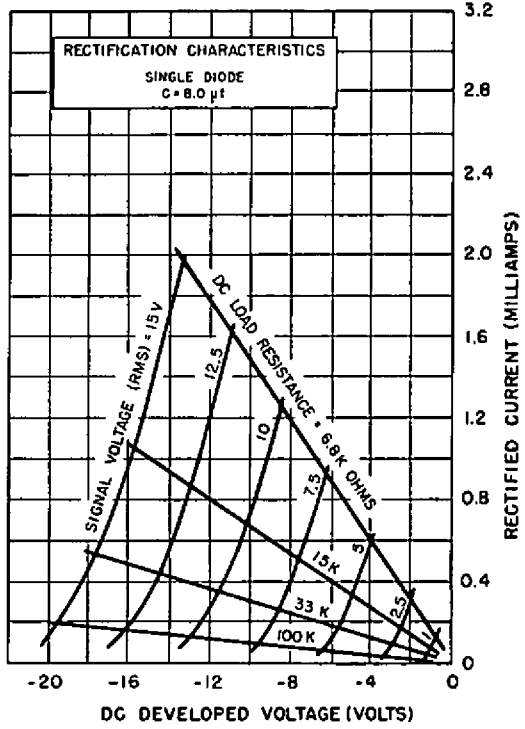
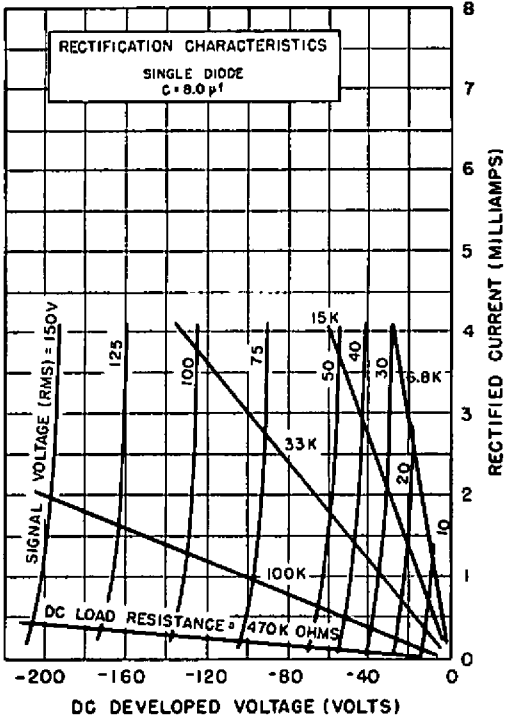
Plate Current for 10 Volts Tube Voltage Drop (each plate).....	15	milliamps
---	----	-----------

##### TYPICAL OPERATION -- Single Section: Half-Wave Rectifier, Capacitor Input Filter

Heater Voltage (ac or dc).....	6.3	volts
Heater Current.....	150	milliamps
Plate Supply Voltage (ac, each plate).....	50	volts
Minimum Total Effective Plate Supply Impedance (each plate).....	400	ohms
Filter Input Capacitance.....	8	microfarads
Output Current (dc, each plate).....	4	milliamps

from RTMA rease 962, April 9, 1951

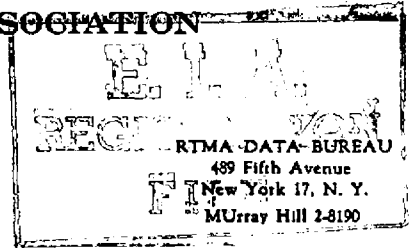
TYPE 6AZ5



**RADIO - TELEVISION MANUFACTURERS ASSOCIATION  
ENGINEERING DEPARTMENT**



*File*



Release No. 962A  
(Correction\*)

June 12, 1951.

To  
Tube Engineers:

On April 9, 1951 in Release No. 962 the RTMA Data Bureau announced the registration of JETEC tube type designation

6AZ5

under the sponsorship of Sylvania Electric Products, Inc., New York, N. Y.

Sponsor now proposes reregistration of this designation on the basis of the following modifications.

Direct Interelectrode Capacitances:

	<u>Shielded</u> <sup>(1)</sup>	<u>Not Shielded</u>
Plate to Plate, max. . . . .	0.09	0.2 uuf
Input (each section): Plate to Cathode, Heater, Internal Shield and External Shield . . . . .	2.2	1.6 uuf
Cathode to Heater, Plate, Internal Shield and External Shield (each section) . . . . .	2.8	2.6 uuf

\*(1) With external shield of  
0.405 inch dia. connected  
to heater.

Unless valid objection to this reregistration is lodged with the Data Bureau prior to June 28, 1951, the indicated reregistration will be made and appropriate announcement will follow.

Respectfully yours,

RTMA DATA BUREAU

By

*Ralph R. Batcher*

RRBatcher:fh