

Refer to chart at end of section.

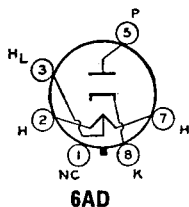
35Y4

Refer to chart at end of section.

35Z3

Refer to chart at end of section.

35Z4GT



6AD

**HALF-WAVE
VACUUM RECTIFIER**

35Z5GT

Glass octal type used in power supply of ac/dc receivers. The heater is provided with a tap for operation of a panel lamp. **Outlines section, 13D**; requires octal socket. This type may be supplied with pin No.1 omitted. For installation and application considerations, refer to miniature type 35W4.

Heater Voltage (ac/dc):	*	**	
Entire Heater (pins 2 and 7)	35	32	volts
Panel Lamp Section (pins 2 and 3)	7.5	5.5	volts
Heater Current:			
Between Pins 2 and 7	0.15	—	ampere
Between Pins 3 and 7	—	0.15	ampere
Peak Heater-Cathode Voltage		±350 max	volts

* Without panel lamp.

** With No.40 or No.47 panel lamp.

Half-Wave Rectifier

MAXIMUM RATINGS (Design-Center Values)

Peak Inverse Plate Voltage	700	volts
Peak Plate Current	600	mA
Average Output Current:		
With Panel Lamp and { No Shunting Resistor	60	mA
Without Panel Lamp { Shunting Resistor	90	mA
Panel-Lamp-Section Voltage (rms):	100	mA
When Panel Lamp Fails	15	volts

TYPICAL OPERATION WITH PANEL LAMP†

AC Plate-Supply Voltage (rms)	117	117	117	117	235	volts
Filter-Input Capacitor	40	40	40	40	40	μF
Minimum Total Effective Plate-Supply Impedance	15	15	15	15	100	ohms
Panel-Lamp Shunting Resistor	—	300	150	100	—	ohms
Average Output Current	60	70	80	90	60	mA

† No.40 or No.47 panel lamp used in circuit with capacitor-input filter given under type 35W4.

TYPICAL OPERATION WITHOUT PANEL LAMP†

AC Plate-Supply Voltage (rms)	117	235	volts
Filter-Input Capacitor	40	40	μF
Minimum Total Effective Plate-Supply Impedance ..	15	100	ohms
Average Output Current	100	100	mA
DC Output Voltage at Input to Filter (Approx.):			
At half-load current (50 mA)	140	280	volts
At full-load current (100 mA)	120	235	volts
Voltage Regulation (Approx.):			
Half-load to full-load current	20	45	volts

MAXIMUM CIRCUIT VALUES

Panel-Lamp Shunting Resistor*:			
For dc output current of { 70 mA	800	ohms	
{ 80 mA	400	ohms	
{ 90 mA	250	ohms	

* Required when dc output current is greater than 60 milliamperes.

Refer to chart at end of section.

36

Refer to chart at end of section.

**36AM3
36AM3A
36AM3B**

Refer to type 6KD6.

36KD6/40KD6