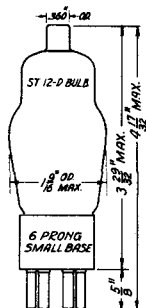
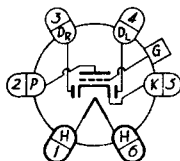


DUO-DIODE TRIODE
DETECTOR AMPLIFIER
Heater Type Glass Bulb



The 2A6 is a duo-diode triode type amplifier tube designed for service as a combined diode detector, AVC rectifier and resistance coupled audio frequency amplifier in a-c operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	2.5	volts
Heater Current	0.8	amp
Maximum Plate Voltage	250	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	1.7	μ mf
Input	2.0	μ mf
Output	3.5	μ mf

AMPLIFIER - CLASS A - TRIODE SECTION

Plate Voltage	250	volts
Grid Bias	-2	volts
Amplification Factor	100	
Plate Resistance	91000	ohms
Transconductance	1100	μ mhos
Plate Current	1	ma

DIODE SECTION

The two diodes are independent of each other and of the triode section except for the common cathode. The diodes may be used as a half wave or as a full wave rectifier; or one diode may be used as a half wave rectifier for detection and the other diode used as a rectifier to obtain delayed AVC voltage.

The voltage between heater and cathode should be kept as low as possible where they are not directly connected.

For characteristic curves refer to the type 75. The characteristics of the 75 are the same as those of the 2A6 except for the heater rating.