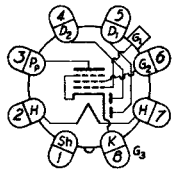


DUO-DIODE PENTODE
DETECTOR AMPLIFIER
Metal Bulb Heater Type



The 6B8 is a duo-diode pentode type amplifier tube designed for service as combined diode detector, AVC rectifier and r-f, i-f, or a-f amplifier.

RATINGS

Heater Voltage	6.3	volts
Heater Current	0.3	amp
Max. Plate Voltage	250	volts
Max. Screen Voltage	125	volts

DIRECT INTERELECTRODE CAPACITANCES - PENTODE SECTION
(Shell connected to cathode)

Grid to Plate	0.005	max.	µµf
Input	6		µµf
Output	9		µµf

AMPLIFIER - CLASS A - PENTODE SECTION

Plate Voltage	250		volts
Screen Voltage	125		volts
Grid Bias	-3		volts
Amplification Factor	800	approx.	
Plate Resistance	0.6	approx.	megohm
Transconductance	1325		µmhos
Plate Current	10		ma
Screen Current	2.3		ma
Grid Bias for Cathode Current Cutoff	-21	approx.	volts

DIODE SECTION

The two diode units are independent of each other and of the pentode section except for the common cathode. The diode units 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.

