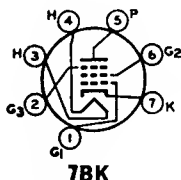


CHARACTERISTICS

Plate Supply Voltage	120	180	volts
Grid-No.2 Supply Voltage	120	120	volts
Cathode-Bias Resistor	180	180	ohms
Plate Resistance (Approx.)	0.3	0.5	megohm
Transconductance	5000	5100	μ mhos
Plate Current	7.5	7.7	mA
Grid-No.2 Current	2.5	2.4	mA
Grid-No.1 Voltage for plate current of 10 μ A	-8.5	-8.5	volts

6AK6**INDUSTRIAL
TYPE****POWER AMPLIFIER PENTODE**

Miniature type for use as a power output pentode in compact equipment. Outlines section, 5C; requires miniature 7-contact socket.

**7BK**

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.15	ampere
Heater-Cathode Voltage	100 max	volts
Direct Interelectrode Capacitances (Approx.):		
Grid to Plate	0.12	pF
Input	3.6	pF
Output	4.2	pF

A-F Power Amplifier**MAXIMUM RATINGS (Design-Center Values)**

Plate Voltage	300	volts
Screen Voltage (Grid No. 2)	250	volts
Plate Dissipation	2.75	watts
Screen Dissipation	0.75	watt

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage	180	volts
Suppressor (Grid No. 3)	Connected to cathode at socket	
Screen Voltage	180	volts
Grid Voltage (Grid No. 1)	-9	volts
Peak A-F Grid Voltage	9	volts
Zero-Signal Plate Current	15	mA
Zero-Signal Screen Current	2.5	mA
Plate Resistance	0.2	megohm
Transconductance	2300	μ mhos
Load Resistance	10000	ohms
Total Harmonic Distortion	10	%
Max.-Sig. Power Output	1.1	watts

MAXIMUM CIRCUIT VALUES

Grid-No.1 Circuit Resistance:		
For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.5	megohm

6AK8/EABC80

Refer to chart at end of section.

6AK10

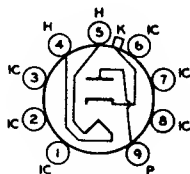
Refer to chart at end of section.

6AL3

Refer to chart at end of section.

6AL3/EY88**HALF-WAVE
VACUUM RECTIFIER**

Miniature type used as damper tube in horizontal-deflection circuits of black-and-white television receivers. Outlines section, 7D; requires miniature 9-contact socket. Socket terminals 1, 2, 3, 6, 7, and 8 should not be used as tie points. It is especially important that this tube, like other power-handling tubes, be adequately ventilated. Heater: volts (ac/dc), 6.3; amperes, 1.55.

**9CB**