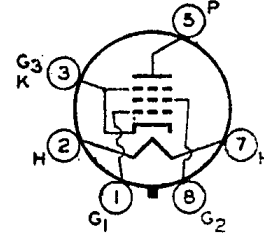


6AV5-GA

6AV5-GT

BEAM POWER TUBE

Glass octal types used as horizontal deflection amplifiers in television receivers employing either transformer coupling or direct coupling to the deflecting yoke. 6AV5-GA



Outline 33, 6AV5-GT Outline 22 or 23, **OUTLINES SECTION**. Tubes require octal socket and may be mounted in any position. Type 6AV5-GT is a **DISCONTINUED** type listed for reference only.

HEATER VOLTAGE (AC/DC).....	6.3	volts
HEATER CURRENT.....	1.2	amperes
TRANSCONDUCTANCE*.....	5500	μ mhos
MU FACTOR, Grid No.2 to Grid No.1**.....	4.3	

* Plate volts, 250; grid-No.2 volts, 150; grid-No.1 volts, -22.5.

** Triode connected; plate and grid-No.2 volts, 150; grid-No.1 volts, -22.5.

HORIZONTAL DEFLECTION AMPLIFIER

For operation in a 525-line, 30-frame system

Maximum Ratings:

DC PLATE VOLTAGE.....	550 max	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE† (<i>Absolute Maximum</i>).....	5500 ^o max	volts
PEAK NEGATIVE-PULSE PLATE VOLTAGE.....	-1250 max	volts
DC GRID-NO.2 (SCREEN-GRID) VOLTAGE.....	175 max	volts
PEAK NEGATIVE-PULSE GRID-NO.1 (CONTROL-GRID) VOLTAGE†.....	-300 max	volts
CATHODE CURRENT:		
Peak.....	400 max	ma
Average.....	110 max	ma
GRID-NO.2 INPUT.....	2.5 max	watts
PLATE DISSIPATION††.....	11 max	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.....	200 max	volts
Heater positive with respect to cathode.....	200 [■] max	volts
BULB TEMPERATURE (At hottest point).....	210 max	°C

Maximum Circuit Value (*For maximum rated conditions*):

Grid-No.1 Circuit Resistance..... 0.47 max megohm

† The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

° Under no circumstances should this absolute value be exceeded.

†† An adequate bias resistor or other means is required to protect the tube in the absence of excitation.

■ The dc component must not exceed 100 volts.