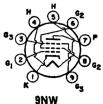
POWER PENTODE

6HB6

Related type: 15HB6

Miniature type used as vertical deflection-amplifier tube in television receivers. Outline 6G, Outlines section. Tube requires miniature nine-contact socket and may be mounted in any position. Type 15HB6 is identical



with type 6HB6 except for the heater ratings, as shown below.

Heater Voltage (ac/dc) Heater Current Heater Warm-up Time (Average) Peak Heater-Cathode Voltage: Heater negative with respect to cathode Heater positive with respect to cathode The dc component must not exceed 100 volts.		6HB6 6.3 0.76 — 200 max 200=max	15HB6 14.7 0.3 11 200 max 200*max	voits ampere seconds voits
CHARACTERISTICS:				
Plate Supply Voltage	60	250	250	volts
Grid No.3		Connected to cathode at socket		
Grid-No.2 Supply Voltage	250	125	250	volts
Grid-No.1 Voltage	0	_	_	volts
Cathode-Bias Resistor	_	33	100	ohms
Mu-Factor, Grid No.2 to Grid No.1	_	_	33	
Plate Resistance (Approx.)		28000	24000	ohms
Transconductance	_	24000	20000	μmhos
Plate Current	150•	40	40	mA
Grid-No.2 Current	37●	4.2	6.2	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μA	_	6.4	-13	volts

• This value can be measured by a method involving a recurrent waveform such that the maximum tube ratings will not be exceeded.

Vertical-Deflection Amplifier

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

MAXIMUM	RATINGS	(Design-Maximum	Values).

DC Plate Voltage	350 max	volts
Peak Positive-Pulse Plate Voltage	2500 max	volts
DC Grid-No.2 (Screen-Grid) Voltage	300 max	volts
DC Grid-No.1 (Control-Grid) Voltage	-100 max	volts
Grid-No.2 Input	2 max	watts
Plate Dissipation	10 max	watts

MAXIMUM CIRCUIT VALUES:

Grid-No.1-Circuit Resistance:

[•] The duration of the voltage pulse must not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 per cent of one vertical-scanning cycle is 2.5 milliseconds.