Beam Power Tube

NOVAR TYPE

For Color-TV Horizontal-Deflection Amplifier Applications

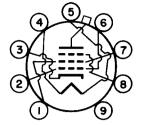
GENERAL DATA

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Electrical:					
Heater Characteristics and Rating Voltage (AC or DC) Current at heater volts = 6.3 Peak heater-cathode voltage:	ngs: 6.3 ± 0.6 volts 2.500 amp				
Heater negative with respect to cathode Heater positive with	200 max. volts				
respect to cathode					
Grid No.1 to plate	0.44 pf				
grid No.2, and heater	21.0 pf				
grid No.2, and heater	11.0 pf				
Characteristics, Class A; Amplifier:					
Co	Triode Pentode Connection Connection				
Plate Voltage	125 125 125 volts -25 0 -25 volts 3.3 5500 ohms - 10500 μmhos - 580° 115 ma - 40° 5 ma				
Mechanical:					
Operating Position	1.438" to 1.562"				

6JE6

Pin 1-Grid No.2 Pin 2-Grid No.1 Pin 3-Cathode Pin 4-Heater

Pin 5-Heater



Pin 6-Grid No.1 Pin 7-Grid No.2 Pin 8-Grid No.3 Pin 9-Do Not Use Cap-Plate

HORIZONTAL-DEFLECTION AMPLIFIER

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

Maximum Ratings, Design-Maximum Values:

DC PLATE-SUPPLY VOLTAGE		990 max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE.		7000 max.	volts
PEAK NEGATIVE-PULSE PLATE VOLTAGE .		1100 max.	volts
DC GRID-No.3 VOLTAGE			
(See Operating Considerations)		75 max.	volts
DC GRID-No.2 (SCREEN-GRID) VOLTAGE.		190 max.	volts
PEAK NEGATIVE-PULSE GRID-No.1			
(CONTROL-GRID) VOLTAGE		250 max.	volts
CATHODE CURRENT:			
Peak		1100 max.	ma
Average		315 max.	ma
GRID-No.2 INPUT		3.2 max.	watts
PLATE DISSIPATION ^f		24 max.	watts
BULB TEMPERATURE			
(At hottest point on bulb surface)	•	240 max.	oC

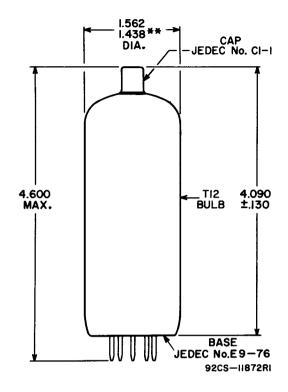
Maximum Circuit Values:

Grid-No.1-Circuit Resistance:
For grid-resistor bias operation for plate-pulsed operation

(horizontal-deflection circuits only). 10 max. megohms

- The dc component must not exceed 100 volts.
- Without external shield.
- This, value can be measured by a method involving a recurrent wave form such that the plate dissipation, grid-No.2 input, and cathode current will be kept, within ratings in order to prevent damage to the tube.
- As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.
- This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- f It is essential that the plate dissipation be limited in the event of loss of grid signal. For this purpose, some protective means such as a cathode resistor of suitable value should be employed.





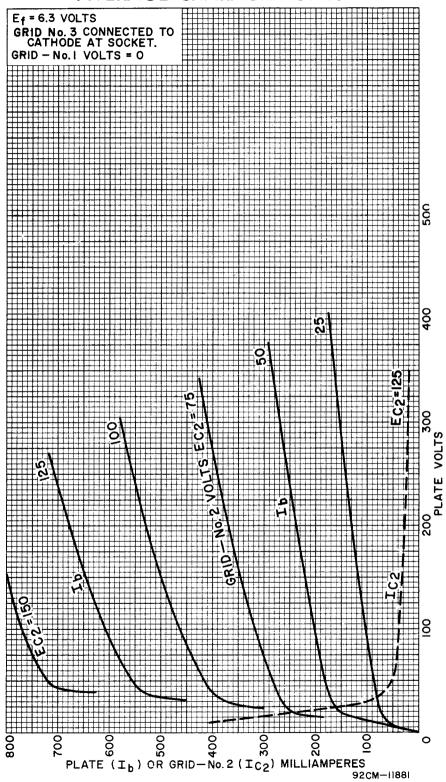
ALL DIMENSIONS IN INCHES

** APPLIES IN ZONE STARTING 0.375" FROM BASE SEAT.

OPERATING CONSIDERATIONS

In horizontal-deflection amplifier service a positive voltage may be applied to grid No.3 to minimize "snivets" interference which may occur in both uhf and vhf television receivers. A typical value for this voltage is 30 volts.

AVERAGE CHARACTERISTICS



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