



18FW6

SEMIREMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

18FW6

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	18 $\pm$ 10%	volts
Current	0.1	amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to plate.	0.0035	max.	μ f
Grid No.1 to cathode, grid No.3, grid No.2, and heater	5.5		μ f
Plate to cathode, grid No.3, grid No.2, and heater	5		μ f

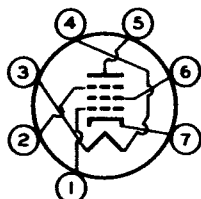
Characteristics, Class A₁ Amplifier:

Plate Supply Voltage.	100	volts
Grid No.3	Connected to cathode at socket	
Grid-No.2 Supply Voltage.	100	volts
Cathode Resistor.	68	ohms
Plate Resistance (Approx.)	0.25	megohm
Transconductance.	4400	μ hos
Plate Current	11	ma
Grid-No.2 Current	4.4	ma
Grid-No.1 Voltage (Approx.) for transconductance (μ hos) = 25	-20	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" $\pm$ 3/32"
Diameter.	0.650" to 0.750"
Dimensional Outline	See General Section
Bulb.	T5-1/2
Base.	Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW.	7CC

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



Pin 4-Heater
Pin 5-Plate
Pin 6-Grid No.2
Pin 7-Cathode

AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE.	150 max.	volts
GRID-No.3 (SUPPRESSOR-GRID) VOLTAGE.	0 max.	volts
GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE	150 max.	volts

⁰ With external shield JEDEC No.316 connected to cathode.

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GRID-No.2 VOLTAGE. *See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section*

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive-bias value. 0 max. volts

GRID-No.2 INPUT:

For grid-No.2 voltages up to 75 volts. . . 0.6 max. watt

For grid-No.2 voltages between 75

and 150 volts. *See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section*

PLATE DISSIPATION. 2.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . 100 max. volts

Heater positive with respect to cathode. . 100 max. volts