

Medium-Mu Twin Triode

9-PIN MINIATURE TYPE

For Use in Cascade-Type Circuits of VHF TV Tuners

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage (AC or DC) $6.3 \pm 10\%$ volts
Current at 6.3 volts 0.4 amp

Direct Interelectrode Capacitances (Approx.):^o

	Unit No. 1	Unit No. 2	
Grid to plate	1.9	1.9	$\mu\mu\text{f}$
Grid to cathode, internal shield, and heater	3.4	-	$\mu\mu\text{f}$
Plate to cathode, internal shield, and heater	2.4	-	$\mu\mu\text{f}$
Cathode to heater	2	2	$\mu\mu\text{f}$
Cathode to grid, internal shield, and heater	-	5.2	$\mu\mu\text{f}$
Plate to grid, internal shield, and heater	-	4	$\mu\mu\text{f}$

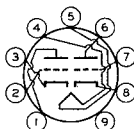
Characteristics, Class A₁ Amplifier (Each Unit):

Plate Voltage	100	volts
Grid Voltage	-1.2	volts
Amplification Factor	35	
Plate Resistance (Approx.)	2500	ohms
Transconductance	13000	μmhos
Plate Current	15	ma
Grid Voltage (Approx.) for transconductance (μmhos) = 70	-6	volts

Mechanical:

Operating Position	Any
Maximum Overall Length	2-3/16"
Maximum Seated Length	1-15/16"
Length, Base Seat to Bulb Top (Excluding tip)	1-9/16" \pm 3/32"
Diameter	0.750" to 0.875"
Dimensional Outline	See <i>General Section</i>
Bulb	T6-1/2
Base	Small-Button Noval 9-Pin (JEDEC No. E9-1)
Basing Designation for BOTTOM VIEW	9AJ

Pin 1 - Plate of Unit No. 2
Pin 2 - Grid of Unit No. 2
Pin 3 - Cathode of Unit No. 2
Pin 4 - Heater
Pin 5 - Heater



Pin 6 - Plate of Unit No. 1
Pin 7 - Grid of Unit No. 1
Pin 8 - Cathode of Unit No. 1
Pin 9 - Internal Shield



6FW8

AMPLIFIER — Class A₁

Values are for Each Unit

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE.	250 [■] max.	volts
CATHODE CURRENT.	22 max.	ma
PLATE DISSIPATION.	2.2 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	200 [■] max.	volts
Heater positive with respect to cathode.	200 [▲] max.	volts

Maximum Circuit Values:

Grid-Circuit Resistance.	0.5 max.	megohm
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[○] With external shield JEDEC No.315 connected to pin 9.

[■] In cathode-drive circuits with direct-coupled drive, it is permissible for this voltage to be as high as 300 volts.

[▲] The dc component must not exceed 100 volts.

