

High-Mu Triode

7-PIN MINIATURE TYPE
For VHF Tuner and Amplifier Applications

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3 $\pm$ 10%	volts
Current at 6.3 volts	0.2	amp

Direct Interelectrode Capacitances:

	Without External Shield	With External Shield ^o	
Grid to plate.	0.6 max.	0.6 max.	μ f
Grid to cathode, internal shield, and heater	3.2	3.2	μ f
Plate to cathode, internal shield, and heater	3.2	4	μ f

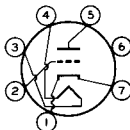
Characteristics, Class A₁ Amplifier:

Plate Voltage.	135	volts
Grid Voltage	-1	volt
Amplification Factor	50	
Plate Resistance (Approx.)	5600	ohms
Transconductance	9000	μ hos
Plate Current.	11	ma
Grid Voltage (Approx.) for plate μ a = 100	-5.5	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 <i>General Section</i>
Bulb	T5-1/2
Base	Small-Button Miniature 7-Pin (JEDEC No. E7-1)
Basing Designation for BOTTOM VIEW	.7FP

Pin 1—Cathode
Pin 2—Grid
Pin 3—Heater
Pin 4—Heater



Pin 5—Plate
Pin 6—Internal
Shield
Pin 7—Cathode



6FH5

AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE.	150 max.	volts
GRID VOLTAGE:		
Positive-bias value.	0 max.	volts
CATHODE CURRENT.	22 max.	ma
PLATE DISSIPATION.	2.2 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with		
respect to cathode	100 max.	volts
Heater positive with		
respect to cathode	100 max.	volts

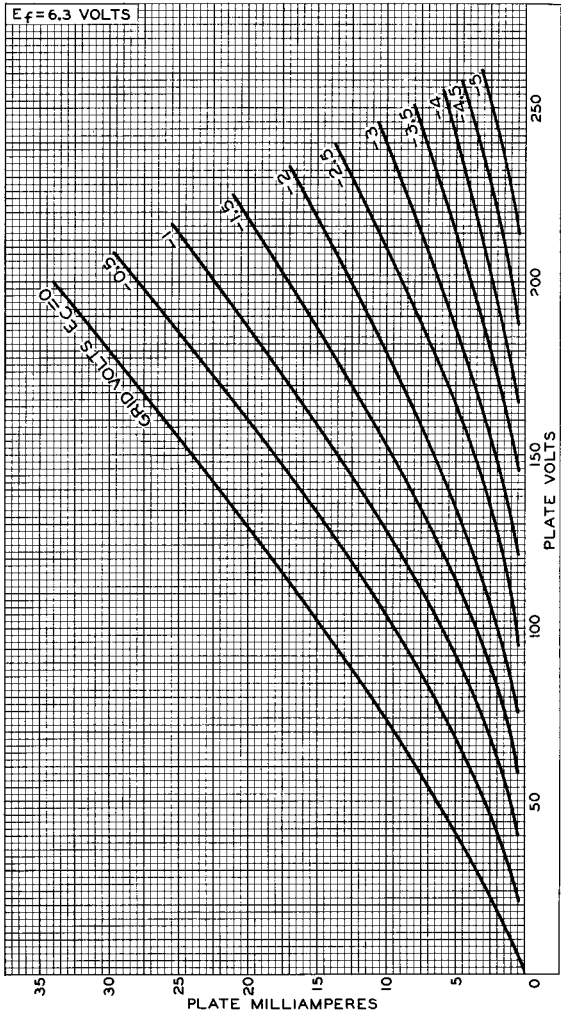
Maximum Circuit Values:

Grid-Circuit Resistance:		
For cathode-bias operation	1 max.	megohm

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



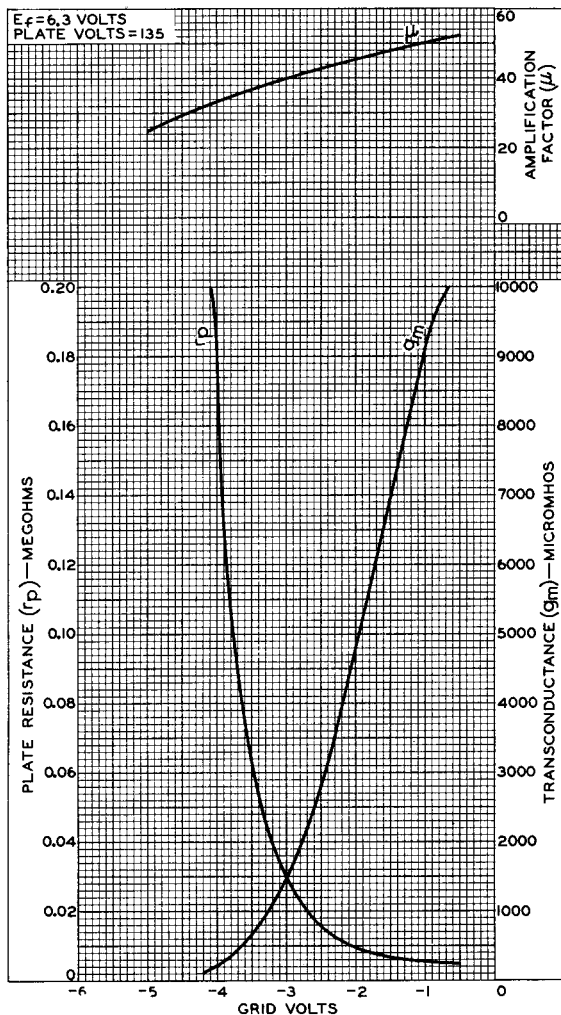
AVERAGE PLATE CHARACTERISTICS



92CM-10355RI



AVERAGE CHARACTERISTICS



92CM-10354R1