

High-Mu Triode

7-PIN MINIATURE TYPE

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:

	<i>Without External Shield</i>	<i>With External Shield^a</i>	
Grid to plate	0.5 max.	0.5 max.	$\mu\mu\text{f}$
Grid to cathode, internal shield, and heater.	3.2	3.2	$\mu\mu\text{f}$
Plate to cathode, internal shield, and heater.	3.2	4	$\mu\mu\text{f}$

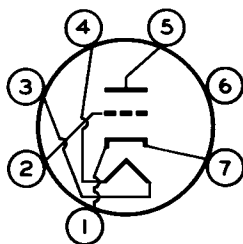
Characteristics, Class A₁ Amplifier:

Plate Voltage 200 volts
 Grid Voltage. -1 volt
 Amplification Factor. 75
 Plate Resistance (Approx.). 8000 ohms
 Transconductance. 9000 μmhos
 Plate Current 10 ma
 Grid Voltage (Approx.) for plate $\mu\text{a} = 100$ -6 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. 7FP

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



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

AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE 250 max. volts
 GRID VOLTAGE:
 Positive-bias value 0 max. volts



6ES5

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 1 max. megohm

^a With external shield JEDEC No.316 connected to cathode.

