

High-Mu Twin Triode

9-PIN MINIATURE TYPE

For Remote-Control Tuning Applications
As Relay-Control Tube

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage (AC or DC)	6.3 $\pm$ 10%	volts
Current at 6.3 volts.	0.6	amp

Direct Interelectrode Capacitances (Approx.):[▲]

	Unit No.1	Unit No.2	
Grid to plate	3.4	3.4	μ f
Grid to cathode and heater. . .	3	3	μ f
Plate to cathode and heater . .	0.33	0.23	μ f

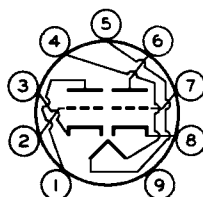
Characteristics, Class A₁ Amplifier (Each Unit):

Plate Voltage	250	volts
Grid Voltage.	-2	volts
Amplification Factor.	60	
Plate Resistance (Approx.).	11500	ohms
Transconductance.	5200	μ mhos
Plate Current	9.2	ma
Grid Voltage (Approx.) for plate μ a = 100.	-9	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-5/8"
Maximum Seated Length	2-3/8"
Length, Base Seat to Bulb Top (Excluding Tip) . . .	2" $\pm$ 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.	9LP

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-No Connection

RELAY-CONTROL SERVICE

Values are for Each Unit

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE	300	max.	volts
GRID VOLTAGE:			
Positive-bias value	0	max.	volts
CATHODE CURRENT	20	max.	ma



6EV7

PLATE DISSIPATION:

With "on" time greater than 30

seconds in any 2-minute interval. . . 2.5 max. watts

With "on" time 30 seconds or less

in any 2-minute interval. 4.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . 200 max. volts

Heater positive with respect to cathode . 200[•] max. volts

Typical Operation:

With 2500-ohm relay load

With "On" Time in Any

2-Minute Interval. . . . 30 or Less Greater than 30 sec

Plate Supply Voltage . . . 250 150 volts

Zero-Bias Plate Current. . 18.5 10 ma

Grid Voltage (Approx.)

for plate $\mu a = 100$. . . -9 -5 volts

Maximum Circuit Values:

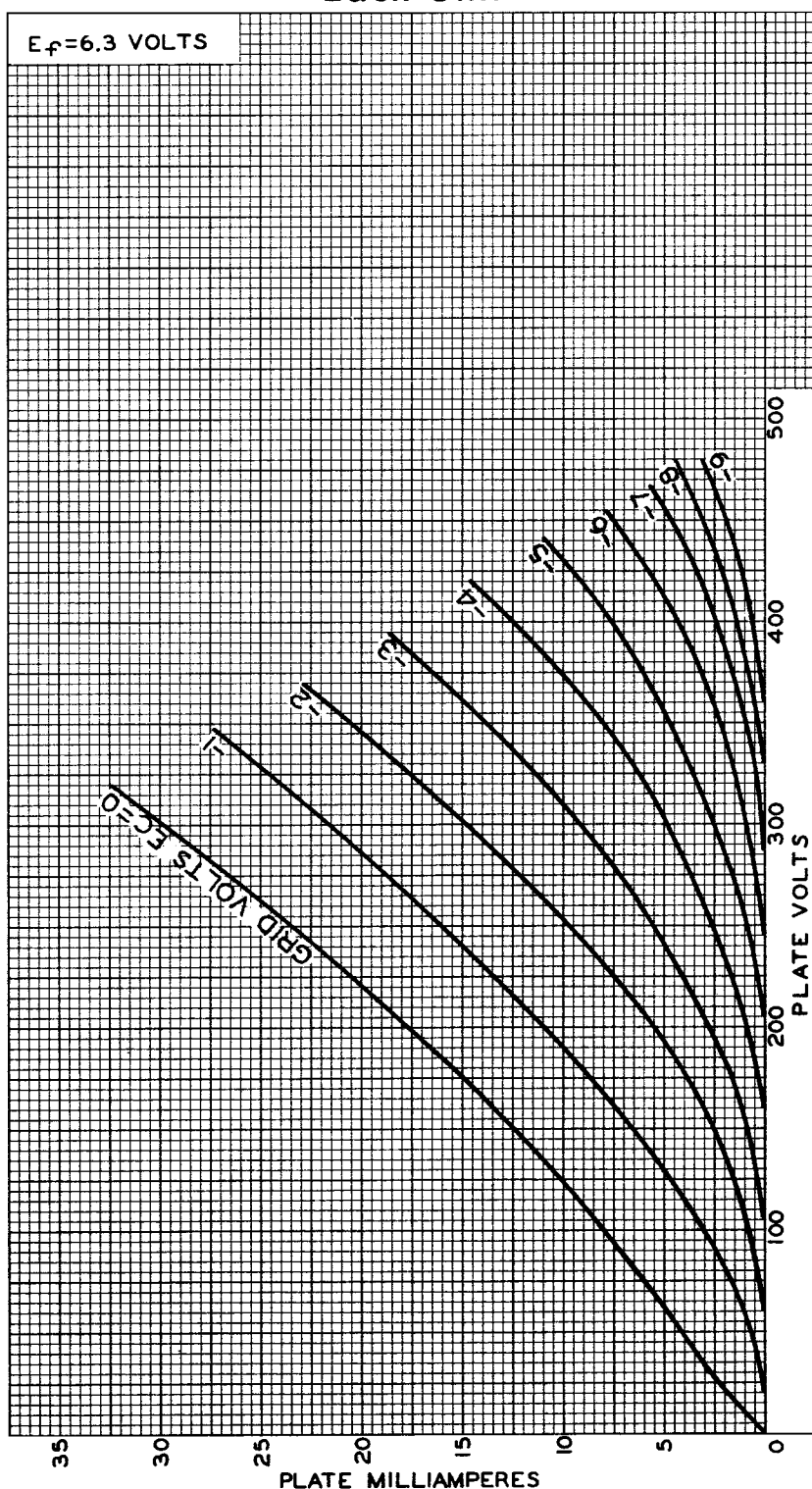
Grid-Circuit Resistance 3.9 max. megohms

[▲] Without external shield.

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



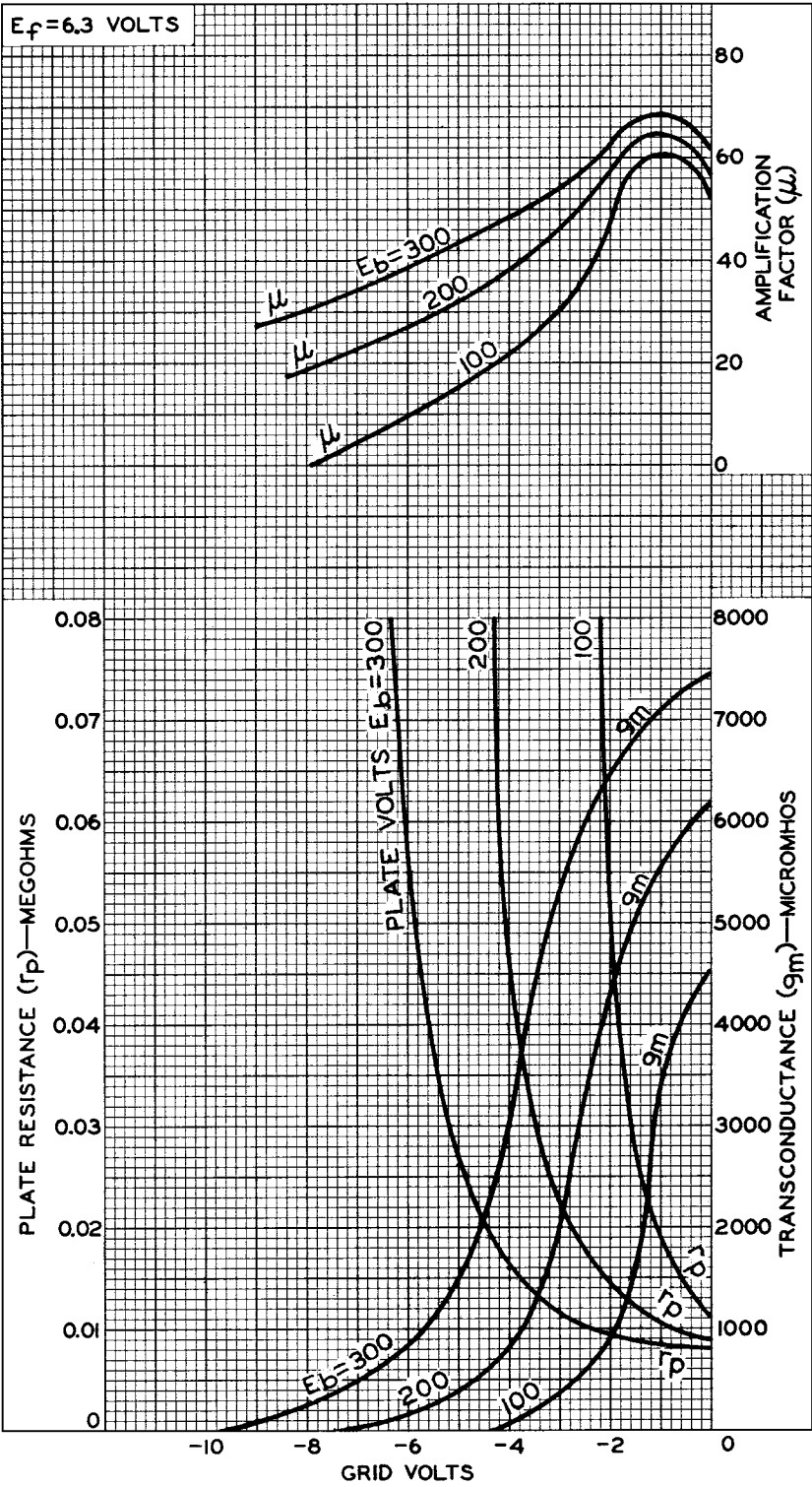
AVERAGE PLATE CHARACTERISTICS Each Unit



92CM-10393



AVERAGE CHARACTERISTICS
Each Unit



92CM-10392

