

Twin Diode—High-Mu Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage (AC or DC)	14 ± 10%	volts
Current at 14 volts	0.15	amp

Direct Interelectrode Capacitances:▲

Triode Unit:

Grid to plate	1.8	μf
Grid to cathode and heater	1.6	μf
Plate to cathode and heater	0.24	μf

Diode Units:

Diode-No.1 plate to triode grid	0.09 max.	μf
Diode-No.2 plate to triode grid	0.07 max.	μf
Either diode cathode to all other tube electrodes	6.5	μf
Diode plate to cathode and heater (Each unit)	2.4	μf

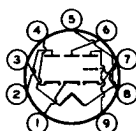
Characteristics, Class A₁ Amplifier (Triode Unit):

Plate Voltage	250	volts
Grid Voltage	-3	volts
Amplification Factor	72	
Plate Resistance (Approx.)	72000	ohms
Transconductance	1000	μmhos
Plate Current	0.7	ma

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" ± 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	9KR

- Pin 1—Diode-No.2 Cathode
- Pin 2—Diode-No.1 Plate
- Pin 3—Diode-No.1 Cathode
- Pin 4—Heater



- Pin 5—Heater
- Pin 6—Diode-No.2 Plate
- Pin 7—Triode Cathode
- Pin 8—Triode Grid
- Pin 9—Triode Plate

TRIODE UNIT — AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE	330 max.	volts
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14GT8

GRID VOLTAGE:

Positive-bias value. 0 max. volts

PLATE DISSIPATION. 1.1 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . 200 max. volts

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

DIODE UNITS — Two

Values are for Each Unit

Maximum Ratings, Design-Maximum Values:

PLATE CURRENT. 5 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . 200 max. volts

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

Characteristics, Instantaneous Test Condition:

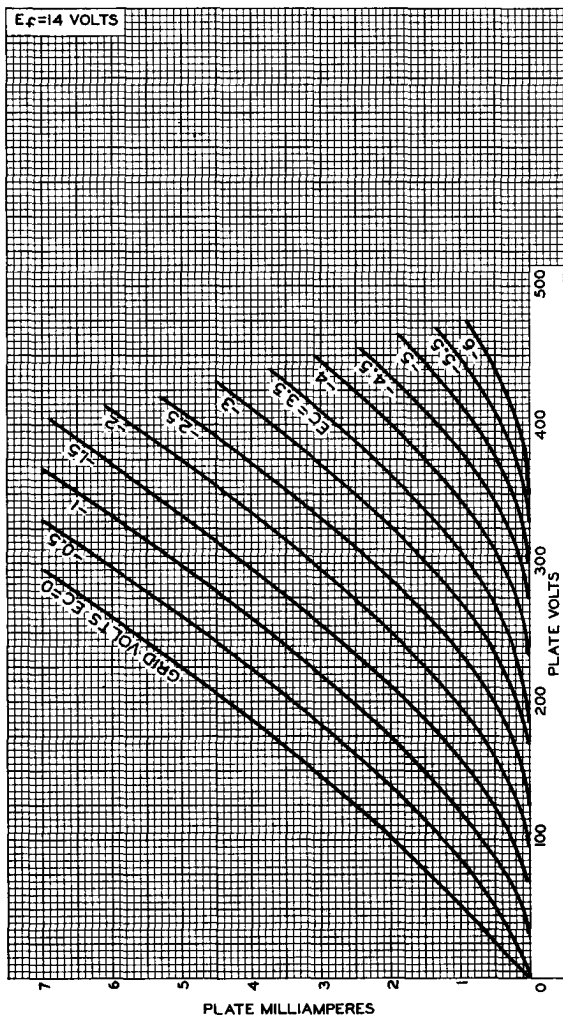
Plate Current for plate volts = 5. 18 ma

▲ Without external shield.

● The dc component must not exceed 100 volts.



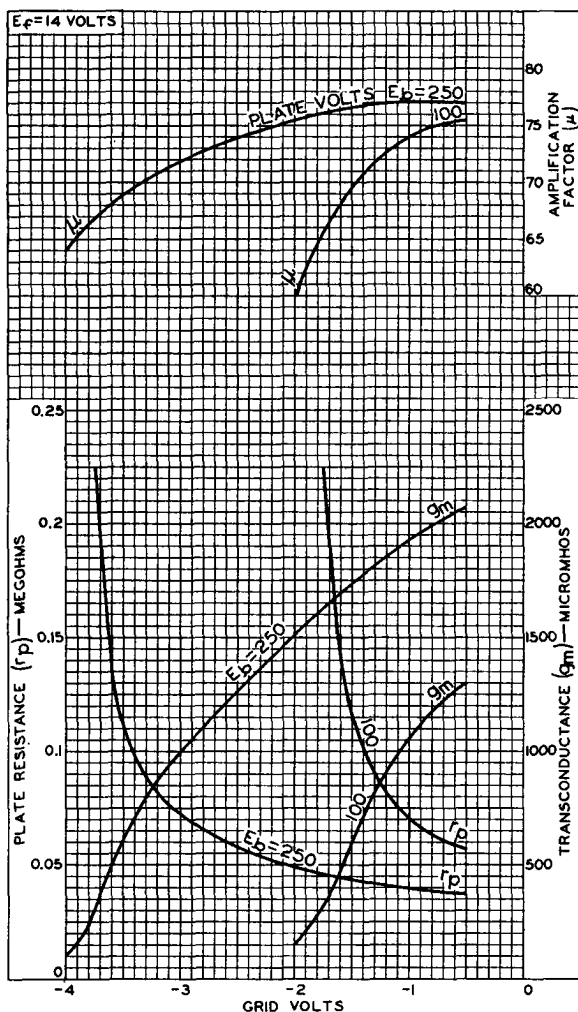
AVERAGE PLATE CHARACTERISTICS Triode Unit



92CM-10835



AVERAGE CHARACTERISTICS Triode Unit



92CM-10838