

MECHANICAL DATA

Bulb	T-6½
Base	Small Button 9-Pin
Basing	9A
Cathode	Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3	12.6 Volts
Heater Current	0.45	0.225 Ampere
Heater-Cathode Voltage		
Heater Positive with Respect to Cathode		
DC Component		90 Volts Max.
Total DC and Peak		180 Volts Max.
Heater Negative with Respect to Cathode		
Total DC and Peak		180 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid to Plate (Each Section)	3.0 μf
Input (Each Section)	3.8 μf
Output (Section 1) ¹	0.5 μf
Output (Section 2) ¹	0.38 μf
Plate to Plate	0.5 μf

RATINGS (Design Center Values — Each Section)

Plate Voltage	300 Volts Max.
Positive DC Grid Voltage	0 Volt Max.
Plate Dissipation	2.2 Watts Max.
Plate Dissipation (Both Plates)	4.0 Watts Max.
Cathode Current	15 Ma Max.
Grid Circuit Resistance	
Fixed Bias	0.1 Megohm Max.
Cathode Bias	0.5 Megohm Max.

AVERAGE CHARACTERISTICS (Each Section)

Plate Voltage	150 Volts
Cathode Bias Resistor	220 Ohms
Plate Current	8.2 Ma
Plate Resistance, approximate	7250 Ohms
Transconductance	6500 μmhos
Amplification Factor	47

TYPICAL OPERATION (Computer Service — Each Section)

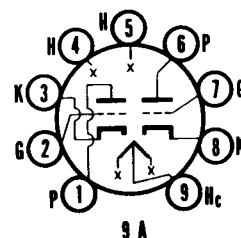
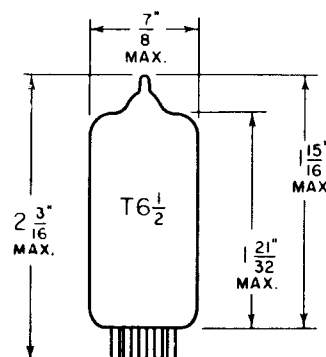
	On Condition	Off Condition
Plate Supply Voltage	150	150 Volts
Plate Load Resistor	7200	7200 Ohms
Grid Voltage	0 ²	— Volt
Plate Current, approximate	10.5	— Ma
Grid Voltage		
$I_b = 150$ Microampere ³ , approx.	—	-5.5 Volts

NOTES:

- Section 1 connects to pins 6, 7 and 8. Section 2 connects to pins 1, 2 and 3.
- Approximate value of grid voltage with grid current adjusted for approximately 140 microamperes.
- The grid voltage required to produce 150 microamperes in one section normally will not differ by more than 1.5 volts from the grid voltage required to produce 150 microamperes in the other section with a plate supply voltage of 150 volts and a plate load resistor of 7200 ohms.

QUICK REFERENCE DATA

Miniature twin triode designed for use in high-speed digital computers. Each section features a high zero bias plate current, a sharp cut-off characteristic, and a separate cathode connection.

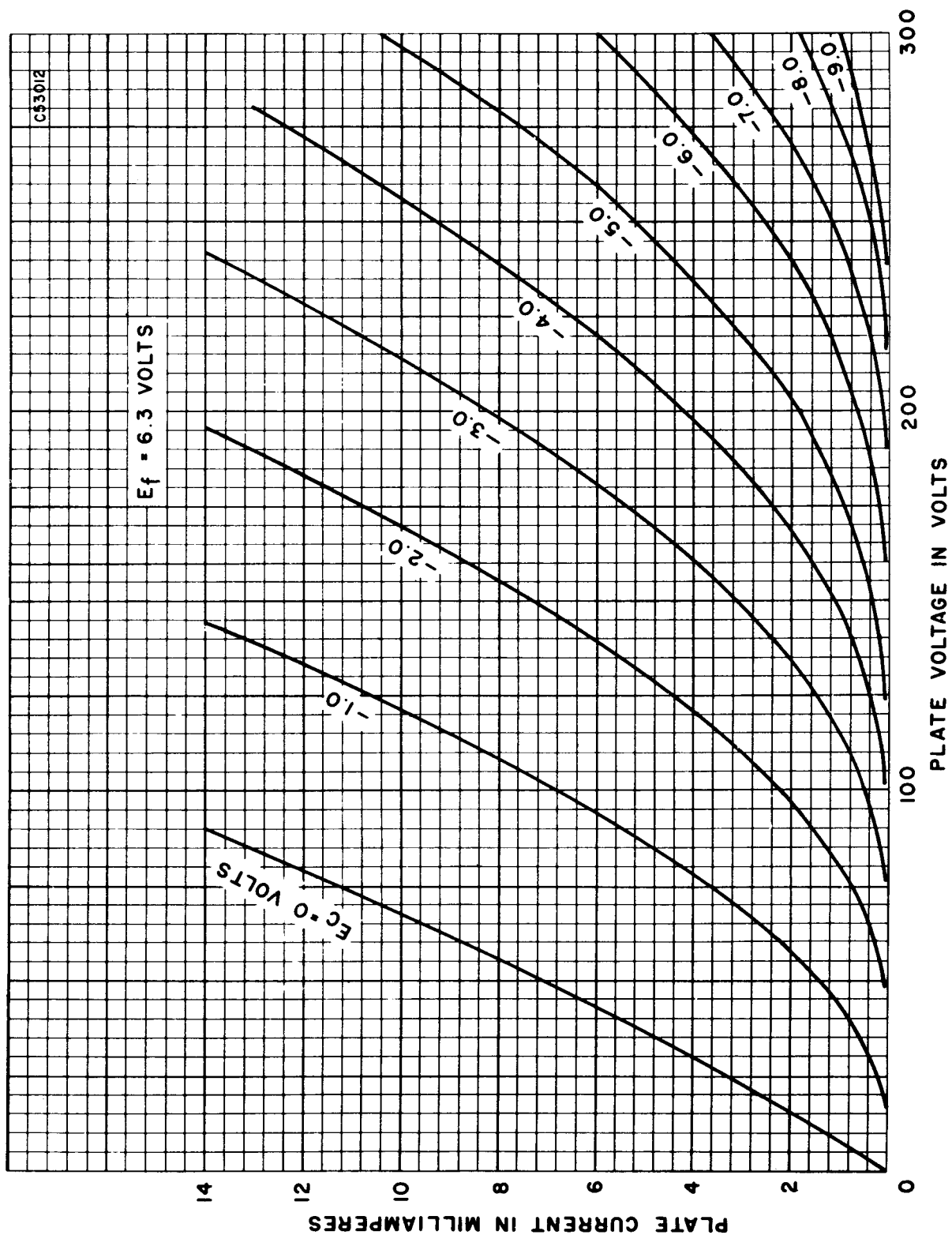


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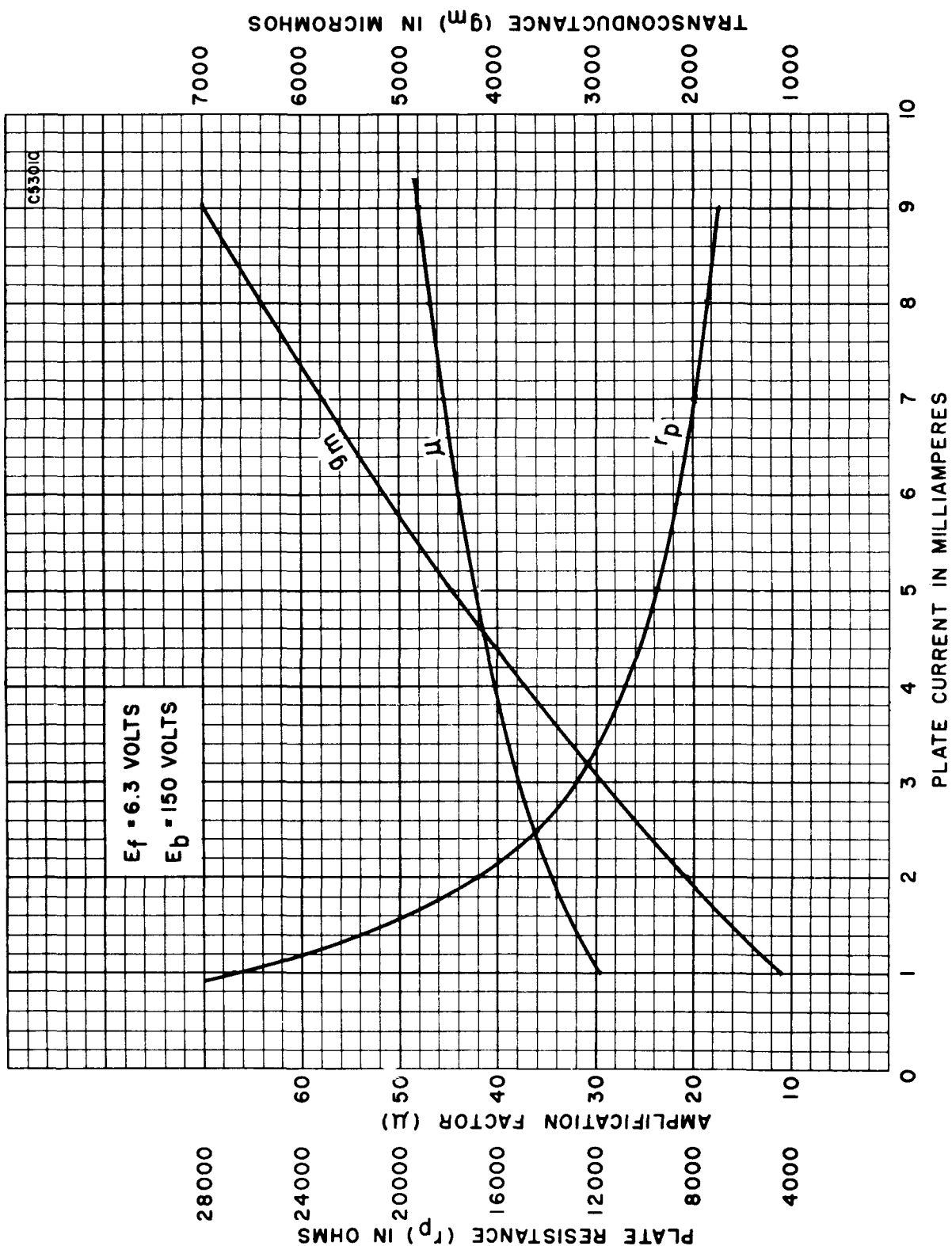
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AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



AVERAGE CHARACTERISTICS

