

**MECHANICAL DATA**

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

**ELECTRICAL DATA**

**HEATER CHARACTERISTICS**

Heater Voltage . . . . .	6.3 Volts
Heater Current . . . . .	450 Ma

**DIRECT INTERELECTRODE CAPACITANCES (Unshielded)<sup>1</sup>**

	Section 1	Section 2
Grid to Plate . . . . .	1.9	1.9 $\mu\mu f$
Input . . . . .	3.0	3.0 $\mu\mu f$
Output . . . . .	1.1	1.0 $\mu\mu f$
Heater to Cathode . . . . .	3.2	3.4 $\mu\mu f$
Grid to Grid (Max.) . . . . .	0.003	$\mu\mu f$
Plate to Plate (Max.) . . . . .	0.075	$\mu\mu f$
Ground Grid Operation		
Plate to Cathode . . . . .	0.24	0.24 $\mu\mu f$
Input . . . . .	6.0	6.0 $\mu\mu f$
Output . . . . .	2.8	2.6 $\mu\mu f$

**RATINGS (Design Center Values)**

Plate Voltage . . . . .	300 Volts Max.
Plate Dissipation (Each Section) . . . . .	2.7 Watts Max.
Heater-Cathode Voltage <sup>2</sup> . . . . .	90 Volts Max.

**CHARACTERISTICS AND TYPICAL OPERATION**

**Class A<sub>1</sub> Amplifier (Each Section)**

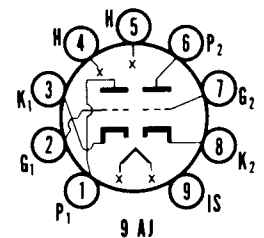
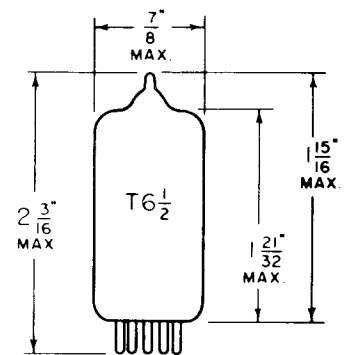
Plate Voltage . . . . .	100	150 Volts
Cathode Bias Resistor . . . . .	120	56 Ohms
Plate Current . . . . .	9.0	18 Ma
Transconductance . . . . .	.6100	8500 $\mu mhos$
Amplification Factor . . . . .	37	40
Plate Resistance . . . . .	.6100	4700 Ohms
Grid Voltage for I <sub>b</sub> = 10 $\mu a$ . . . . .	-9	-12 Volts

**NOTES:**

1. Section 1 connects to Pins 6, 7 and 8. Section 2 connects to Pins 1, 2 and 3.
2. When operated as a cascode amplifier and the two sections are connected in series, the heater-cathode voltage of the grounded grid stage may be as high as 250 volts maximum with the heater negative with respect to the cathode.

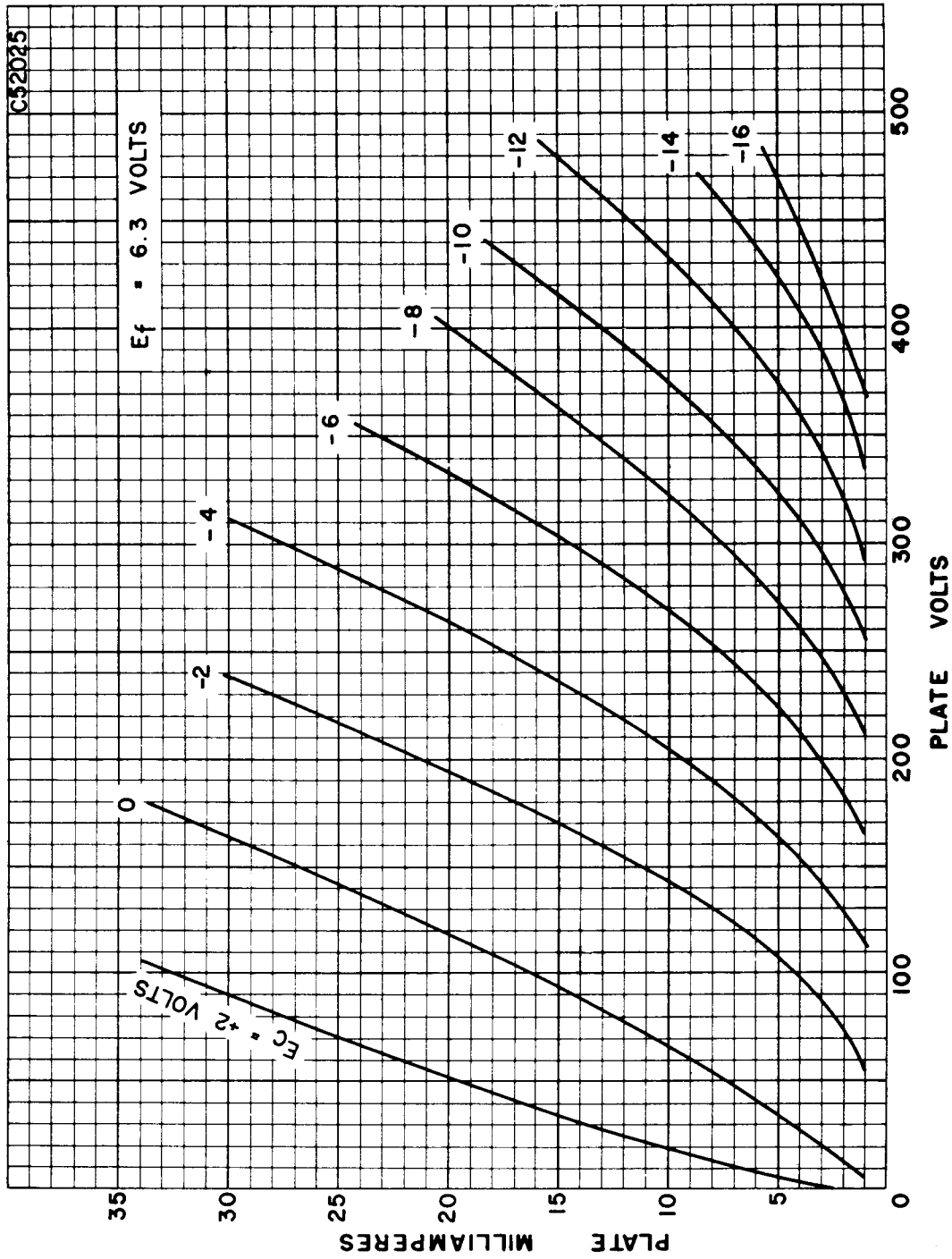
**QUICK REFERENCE DATA**

Miniature medium mu twin triode designed for use as a cascode amplifier below approximately 300 mc. Shielding between sections minimizes internal capacity coupling.

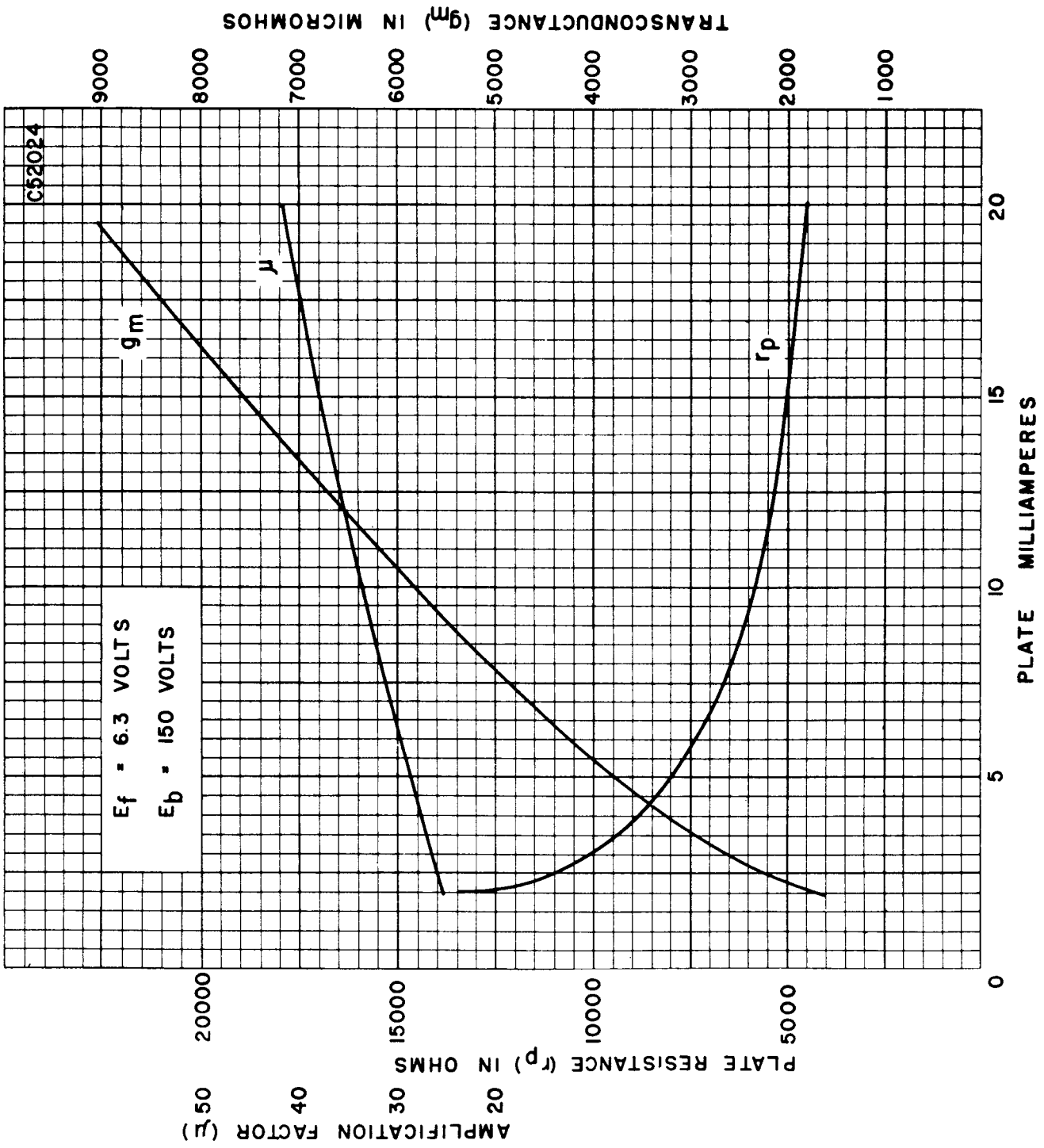


**SYLVANIA ELECTRIC PRODUCTS INC.**

AVERAGE PLATE CHARACTERISTICS



**AVERAGE CHARACTERISTICS**



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