



MECHANICAL DATA

Bulb . . . . .	T-9
Base <sup>1</sup> . . . . .	Intermediate Shell Octal, Low Loss Phenolic 8-Pin
Basing . . . . .	8BD
Cathode . . . . .	Coated Unipotential
Mounting Position . . . . .	Any

RATINGS

Shock (Intermittent Service-Abs. Max.) . . . . .	450 g
Vibration (Continuous Service-Design Center) . . . . .	2.5 g
Mechanical Resonance . . . . .	None Below 100 cps

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage (Avg.) . . . . .	6.3 Volts
Heater Voltage (Abs. Max.) . . . . .	7.0 Volts
Heater Voltage (Design Center) . . . . .	6.3 Volts
Heater Current (Avg.) <sup>2</sup> . . . . .	300 Ma
Heater Current (Max.) . . . . .	325 Ma
Heater Current (Min.) <sup>2</sup> . . . . .	275 Ma

RATINGS

	Absolute Max.	Design Center
Plate Voltage . . . . .	275	250 Volts
Plate Dissipation (Each Plate) . . . . .	1.1	1.0 Watts
Positive Grid Voltage . . . . .		0 Volts
Heater-Cathode Voltage . . . . .	100	90 Volts

CHARACTERISTICS AND TYPICAL OPERATION

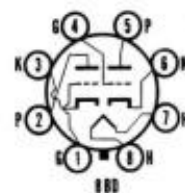
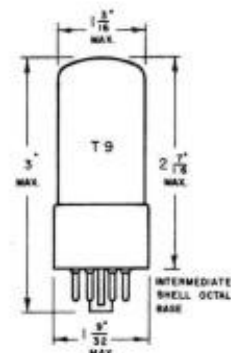
Class A Amplifier	Min. <sup>2</sup>	Avg.	Max. <sup>2</sup>
Plate Voltage . . . . .		250	Volts
Grid Voltage . . . . .		-2	Volts
Cathode Bias Resistor . . . . .		870	Ohms
Plate Current . . . . .	1.4	2.3	3.2 Ma
Transconductance . . . . .	1200	1600	2000 $\mu$ mhos
Amplification Factor . . . . .	55	70	85
Plate Current When $E_c = -5.75$ Volts . . . . .			25 $\mu$ a
Heater-Cathode Leakage at $\pm 100$ Volts . . . . .			20 $\mu$ a
Grid Current . . . . .			1.0 $\mu$ a

NOTES:

1. Maximum base dielectric loss factor is 0.1. Reference: ASTM Designation D-150-47T.
2. Limits given here are the extremes which may be found in production.

QUICK REFERENCE DATA

Rugged high mu twin triode designed for service as a resistance coupled amplifier or phase inverter in applications requiring resistance to shock and vibration.



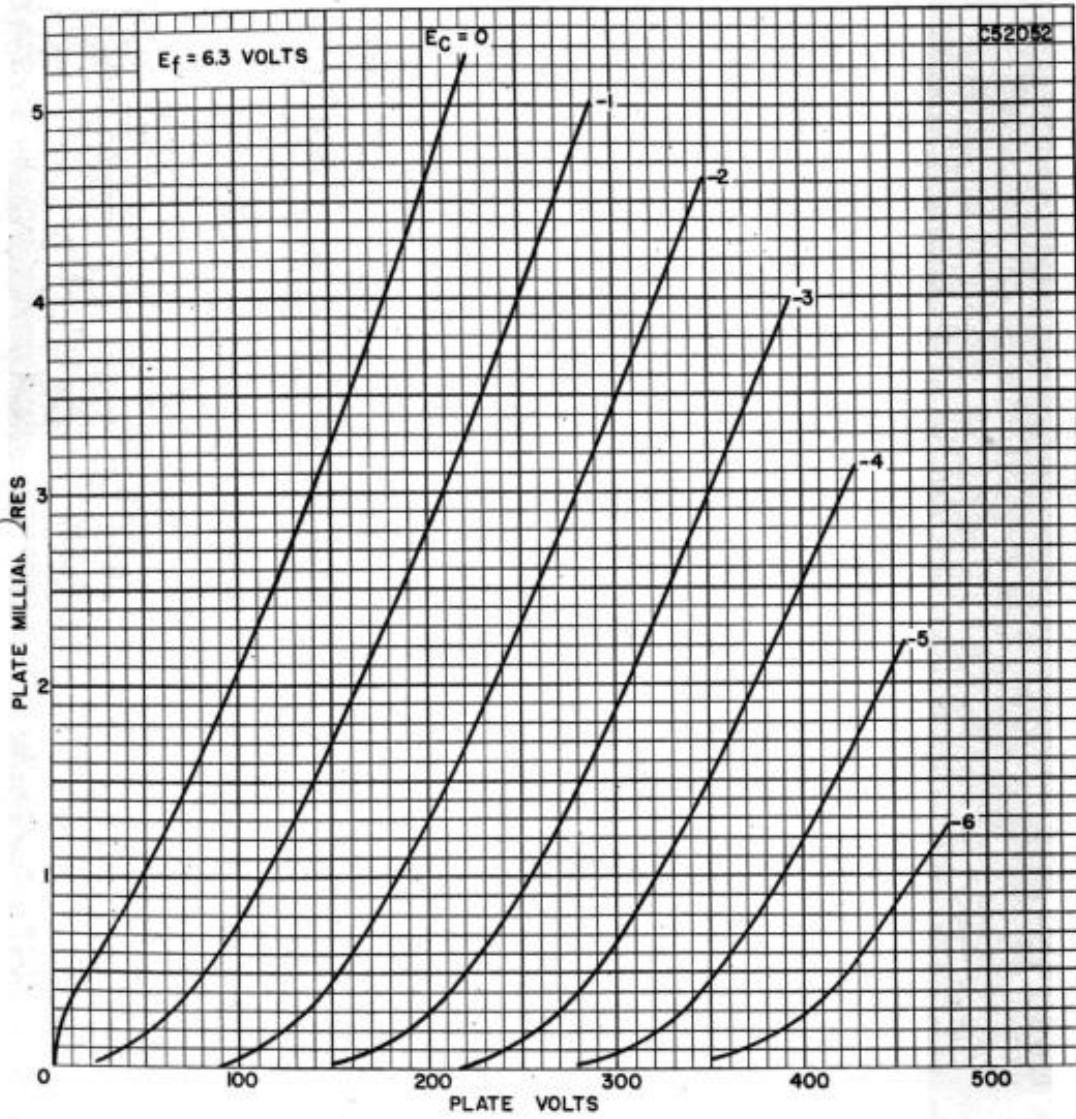
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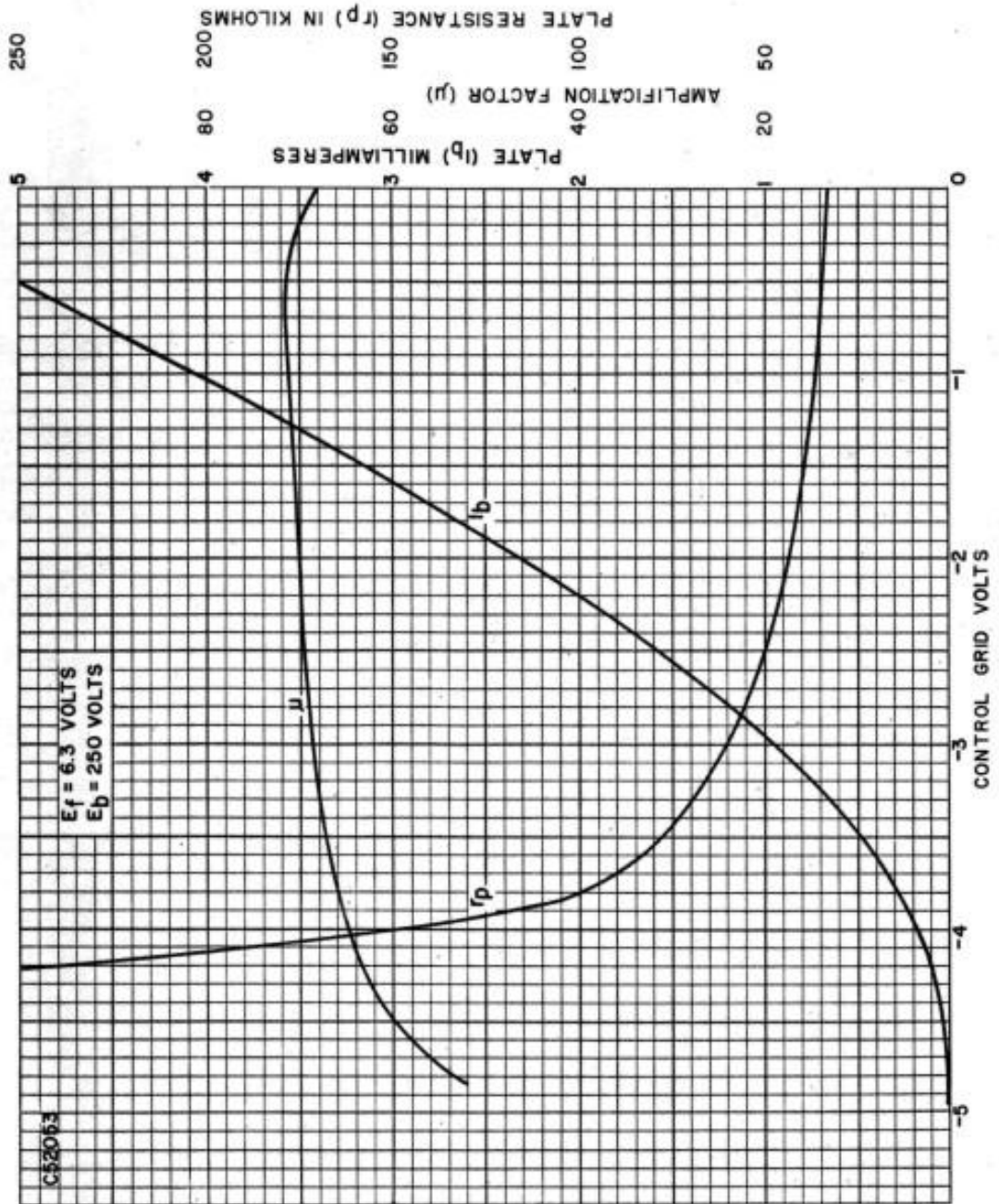
AVERAGE PLATE CHARACTERISTICS



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AVERAGE TRANSFER CHARACTERISTICS



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