

MECHANICAL DATA

Bulb	T-3
Base	Flexible Leads
Basing	8DY
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	150 Ma

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ¹	Unshielded
Grid to Plate	.065	0.1 μf
Input	3.4	3.2 μf
Output	3.6	1.6 μf

RATINGS (Design Center Values)

Plate Voltage	150 Volts Max.
Screen Voltage	140 Volts Max.
Plate Dissipation	0.7 Watt Max.
Screen Dissipation	0.3 Watt Max.
Heater-Cathode Voltage	90 Volts Max.
Grid Circuit Resistance	
Cathode Bias	1 Megohm Max.

TYPICAL OPERATION

Class A₁ Amplifier

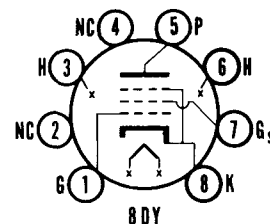
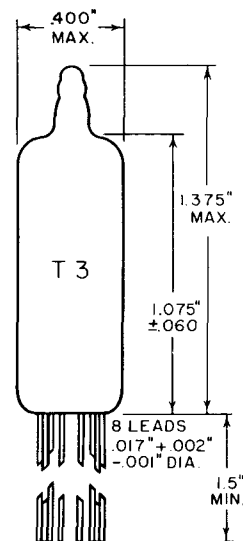
Plate Voltage	100 Volts
Screen Voltage	100 Volts
Cathode Bias Resistor	270 Ohms
Plate Current	5.5 Ma
Screen Current	2 Ma
Transconductance	2150 μmhos
Plate Resistance (approx.)	175,000 Ohms
Control Grid Bias Voltage for $I_b = 10 \mu\text{a}$	-13.5 Volts

NOTE:

1. External shield of 0.405" diameter connected to cathode.

QUICK REFERENCE DATA

The Type 6BA5 is a subminiature general purpose pentode voltage amplifier.

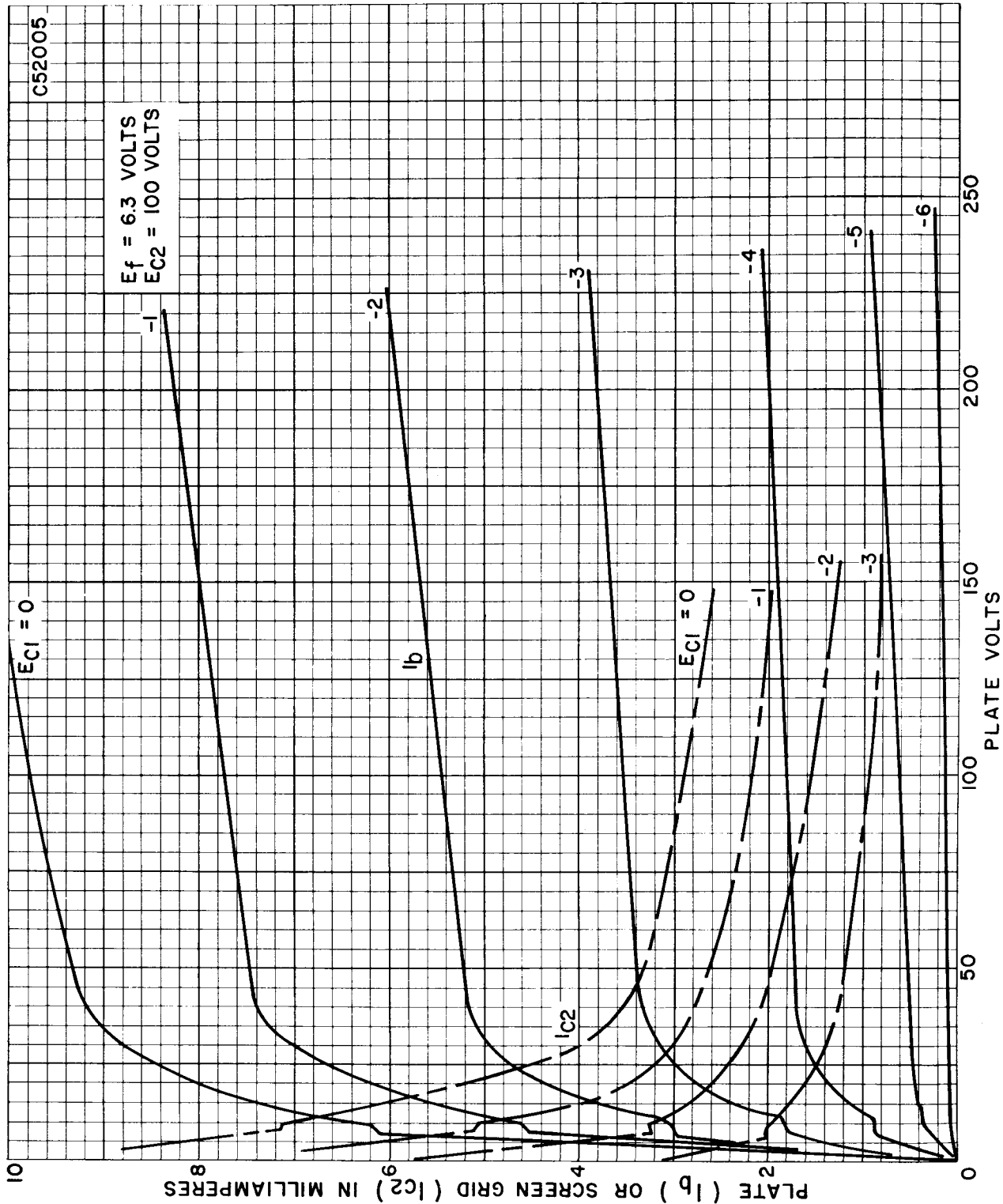


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AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

