

MECHANICAL DATA

Bulb	T-9
Base	D8-1, Lock-in 8-Pin
Basing	8V
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	600 Ma

DIRECT INTERELECTRODE CAPACITANCES (Shielded)¹

Control Grid to Plate (Max.)	.060 μf
Control Grid Input	14 μf
Output	7.5 μf

RATINGS (Design Center Values)

Plate Voltage	300 Volts	Max.
Plate Dissipation	10 Watts	Max.
Screen Grid Supply Voltage	300 Volts	Max.
Screen Grid Voltage	See JETEC J5-C4	
Screen Dissipation	2.5 Watts	Max.
Positive Control Grid Voltage	0 Volts	Max.
Heater-Cathode Voltage	± 200 Volts	Max.

CHARACTERISTICS

Conditions

Plate Voltage	60	150 Volts
Suppressor Grid Voltage ²	0	0 Volts
Screen Grid Voltage	100	100 Volts
Control Grid Voltage	0	0 Volts
Plate Current		34 Ma
Screen Grid Current 12 Ma Max.		8 Ma
Transconductance ²		9,700 μmhos
Plate Resistance		0.1 Megohm
Control Grid Voltage for $I_b = 2.0$ Ma Max.		-5.3 Volts

TYPICAL OPERATION

Pulse Amplifier

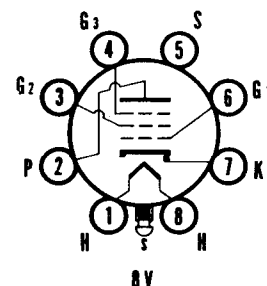
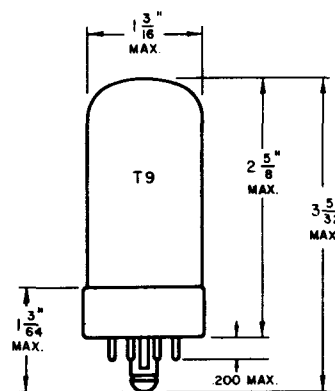
Plate Voltage	150 Volts
Suppressor Grid Voltage ³	0 Volts
Screen Grid Voltage	250 Volts
Control Grid Voltage	-10 Volts
Peak Positive Pulse Voltage ⁴	16 Volts
Peak Plate Current, Minimum	120 Ma

NOTES:

1. External shield No. 308 connected to cathode.
2. At fixed bias of -2 volts.
3. Suppressor grid connected to cathode at socket.
4. Rectangular pulse, 2 microseconds duration, 60 cps repetition rate.

QUICK REFERENCE DATA

Lock-in, sharp cutoff pentode amplifier designed for service in electronic computers.

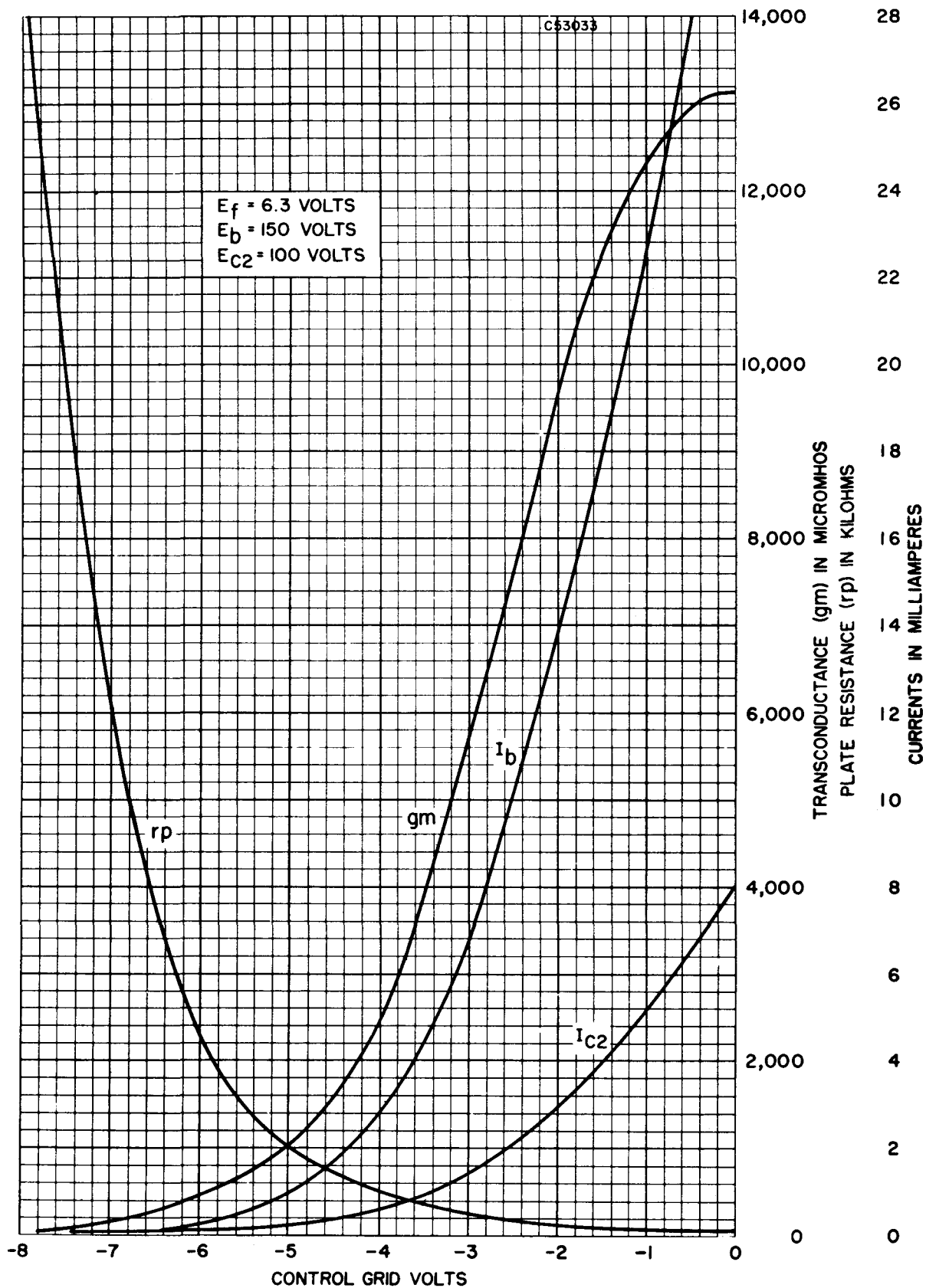


SYLVANIA ELECTRIC
PRODUCTS INC.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

JULY 1953

AVERAGE TRANSFER CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS

