

MECHANICAL DATA

Bulb	T-9
Base	Lockin 8-Pin
Basing	8BW
Cathode	Coated Unipotential
Mounting Position	Any

RATINGS

Shock (Intermittent Service-Abs. Max.)	350 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.)	300 Ma
Heater Current (Max.) ¹	325 Ma
Heater Current (Min.) ¹	275 Ma

DIRECT INTERELECTRODE CAPACITANCES

(Each Section — Shielded)²

	Min. ¹	Max. ¹
Grid to Plate	1.2	2.0 $\mu\mu\text{f}$
Input	2.1	3.8 $\mu\mu\text{f}$
Output	1.3	2.1 $\mu\mu\text{f}$
Grid to Grid02	.10 $\mu\mu\text{f}$
Plate to Plate	0.1	0.4 $\mu\mu\text{f}$
Heater to Either Cathode ³	1.4	3.0 $\mu\mu\text{f}$

RATINGS

	Absolute Max.	Design Center
Plate Voltage	330	300 Volts
Plate Dissipation Each Plate	3.5	3.2 Watts
Total Plate Dissipation (Both Plates)	5.0	4.5 Watts
Positive Control Grid Voltage		0 Volts
Heater-Cathode Voltage	± 250	± 230 Volts

CHARACTERISTICS AND TYPICAL OPERATION

Class A Amplifier (Each Section)

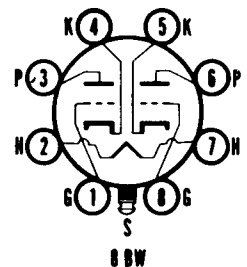
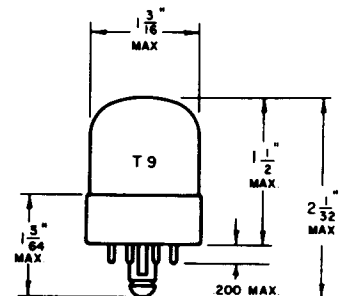
	Min. ¹	Avg.	Max. ¹
Plate Voltage		250	Volts
Cathode Bias Resistor		200	Ohms
Plate Current	8.0	10.5	14.0 Ma
Transconductance	4500	5200	6800 μmhos
Amplification Factor	40	50	65
Plate Current at $E_c = -9$ Volts	1.0		700 μa
Plate Current at $E_c = -25$ Volts	0		1.0 μa
Heater-Cathode Leakage at ± 150 Volts			20 μa
Grid Current			1.5 μa

NOTES:

1. Limits given here are extremes which may be found in production.
2. With Standard RTMA Shield No. 308 connected to cathode.
3. External shield connected to ground.

QUICK REFERENCE DATA

Rugged high transconductance double triode designed for use in applications requiring resistance to shock and vibration.

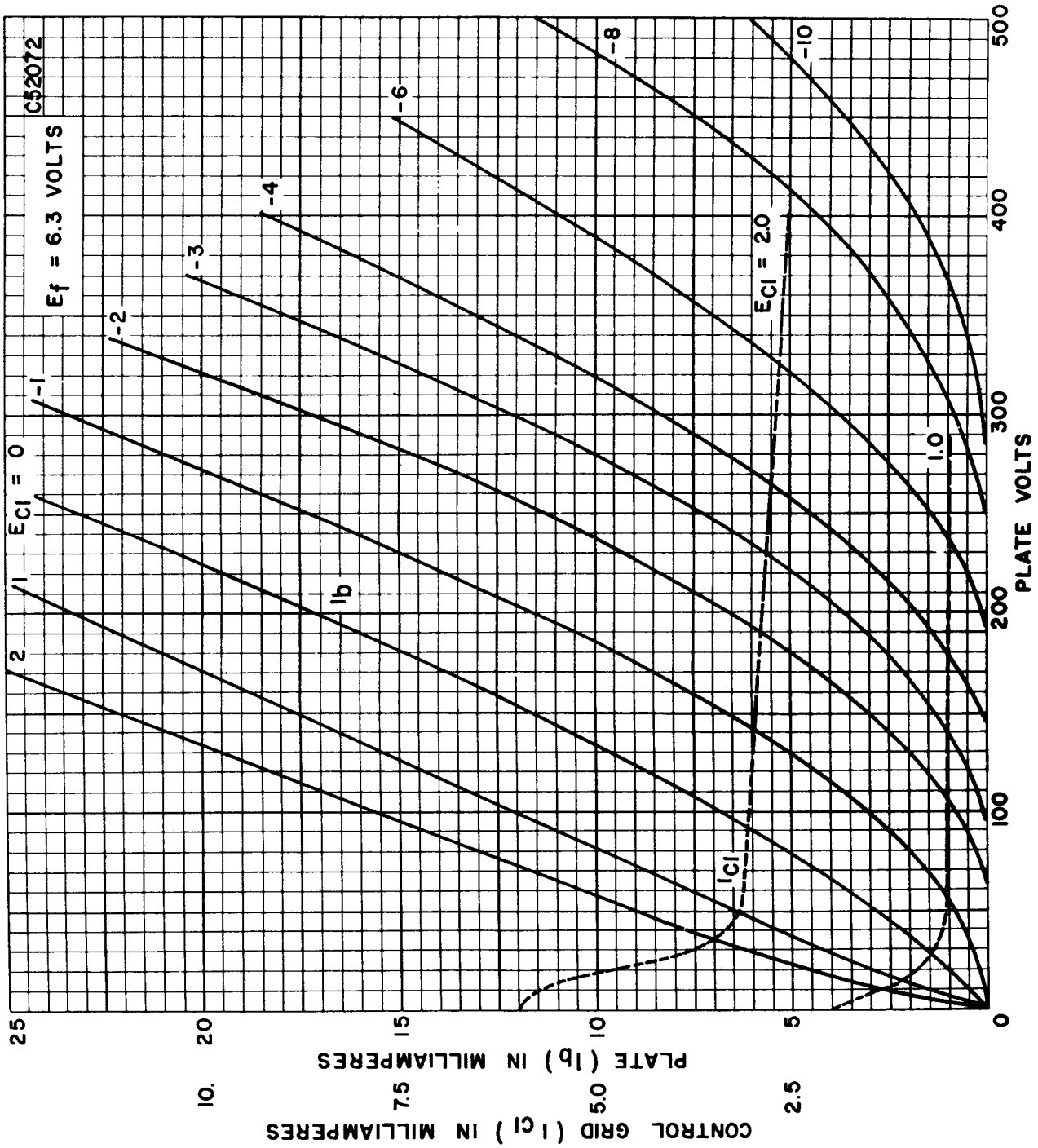


SYLVANIA ELECTRIC
PRODUCTS INC.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

SEPTEMBER 1952

AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

