

### MECHANICAL DATA

Bulb . . . . .	T-5½
Base . . . . .	Miniature Button 7-Pin
Basing . . . . .	7BD
Cathode . . . . .	Unipotential
Mounting Position . . . . .	Any

### ELECTRICAL DATA

#### HEATER CHARACTERISTICS

Heater Voltage . . . . .	6.3 Volts
Heater Current . . . . .	175 Ma

#### DIRECT INTERELECTRODE CAPACITANCES

	Shielded <sup>1</sup>	Unshielded
Grid to Plate . . . . .	.02	.03 $\mu\mu\text{f}$
Input . . . . .	4.0	4.0 $\mu\mu\text{f}$
Output . . . . .	2.8	2.1 $\mu\mu\text{f}$

#### RATINGS (Design Center Values)

Plate Voltage . . . . .	180 Volts	Max.
Plate Dissipation . . . . .	1.7 Watts	Max.
Screen Voltage . . . . .	140 Volts	Max.
Screen Dissipation . . . . .	0.5 Watt	Max.
Screen Supply Voltage . . . . .	180 Volts	Max.
Positive Control Grid Voltage . . . . .	1.0 Volt	Max.
Heater-Cathode Voltage . . . . .	90 Volts	Max.
Cathode Current . . . . .	18 Ma	Max.

#### TYPICAL OPERATION

##### Class A<sub>1</sub> Amplifier

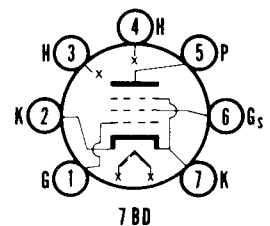
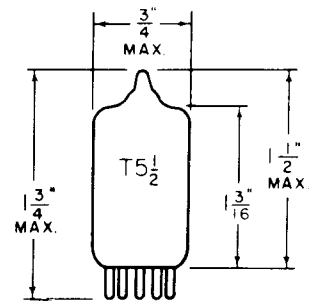
Plate Voltage . . . . .	120	180 Volts
Screen Voltage . . . . .	120	120 Volts
Cathode Bias Resistor <sup>2</sup> . . . . .	180	180 Ohms
Plate Current . . . . .	7.5	7.7 Ma
Screen Current . . . . .	2.5	2.4 Ma
Transconductance . . . . .	5000	5100 $\mu\text{mhos}$
Plate Resistance (approx.) . . . . .	0.30	0.50 Megohm

#### NOTES:

1. Shield No. 316 connected to cathode.
2. Fixed bias operation is not recommended.

### QUICK REFERENCE DATA

Miniature sharp cut-off rf pentode capable of operation up to 400 mc.

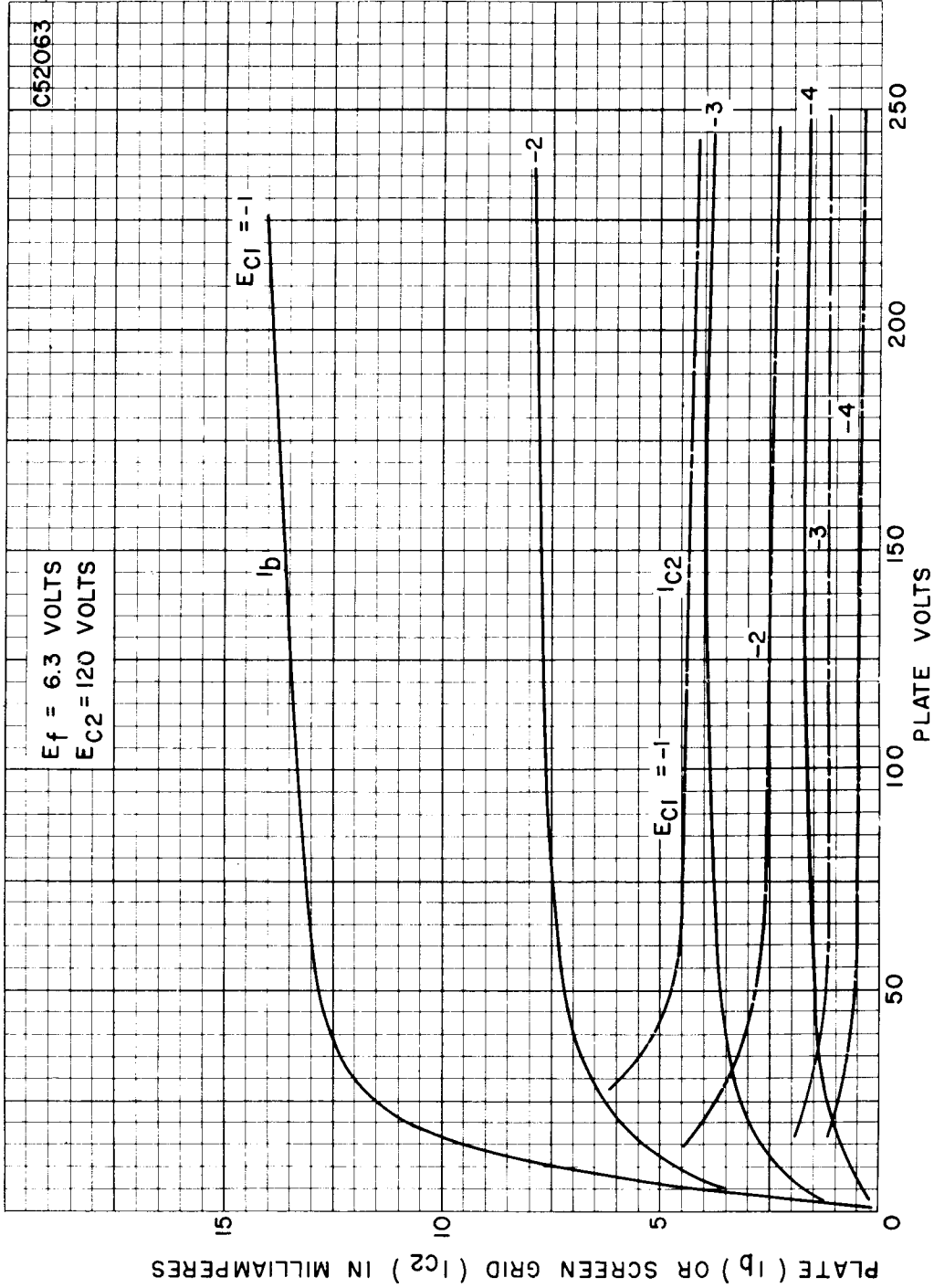


SYLVANIA ELECTRIC  
PRODUCTS INC.

Prepared and Released By The  
TECHNICAL PUBLICATIONS SECTION  
EMPORIUM, PENNSYLVANIA

SEPTEMBER 1952

## AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

