

MECHANICAL DATA

Bulb	T-6 1/2
Base	E9-1, Small Button 9-Pin
Outline	6-2
Basing	9CF
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Series/Parallel	12.6/6.3 Volts
Heater Current	225/450 Ma
Heater-Cathode Voltage (Design Center Values)	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts Max.
Heater Positive with Respect to Cathode	
DC	100 Volts Max.
Total DC and Peak	200 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Shielded)¹

Triode Grid to Plate	1.9 μf
Triode Input	2.8 μf
Triode Output	1.0 μf
Diode Input (Each Diode)	2.0 μf

RATINGS (Design Center Values)

Plate Voltage (Triode)	300 Volts Max.
Plate Dissipation (Triode)	2.5 Watts Max.
Peak Inverse Diode Voltage	300 Volts Max.
Peak Diode Current	60 Ma Max.

CHARACTERISTICS AND TYPICAL OPERATION

Class A₁ Amplifier

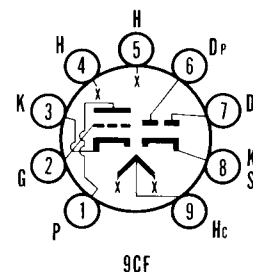
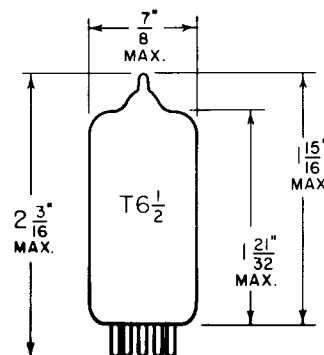
Plate Voltage	100	250 Volts
Cathode Bias Resistor	270	200 Ohms
Amplification Factor	60	60
Plate Resistance (approx.)	15000	10900 Ohms
Transconductance	4000	5500 μmhos
Plate Current	3.7	10 Ma
Grid Voltage (Approx.) for		
$I_b = 10 \mu\text{a}$	-5	-12 Volts
Average Diode Current, Each Diode		
with 5.0 Volts DC Applied		17 Ma

NOTE:

1. Shield No. 315

QUICK REFERENCE DATA

The Sylvania Type 12BR7 is a miniature high mu triode duo diode intended for application in monochrome and color television receivers.



SYLVANIA ELECTRIC
PRODUCTS INC.

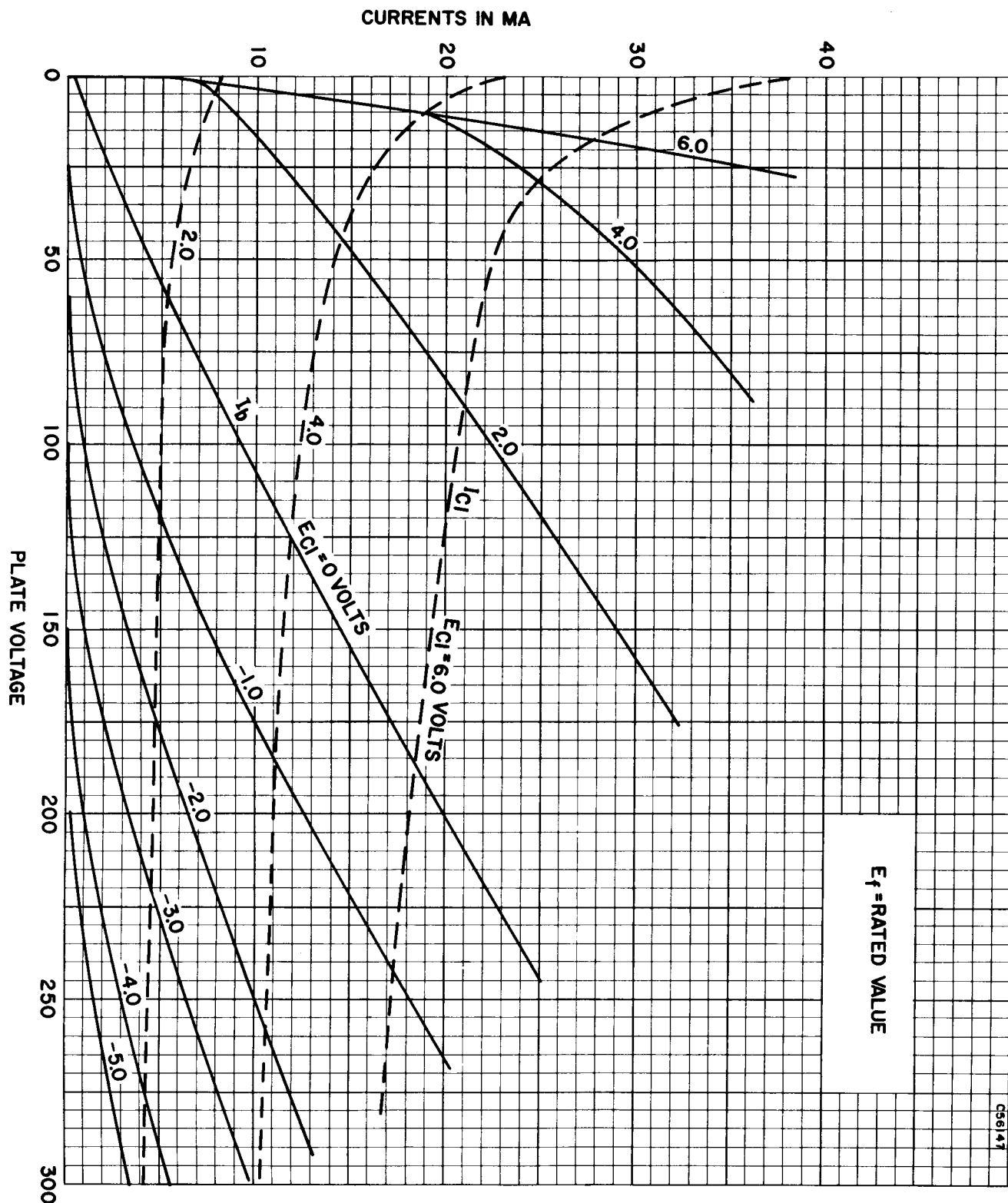
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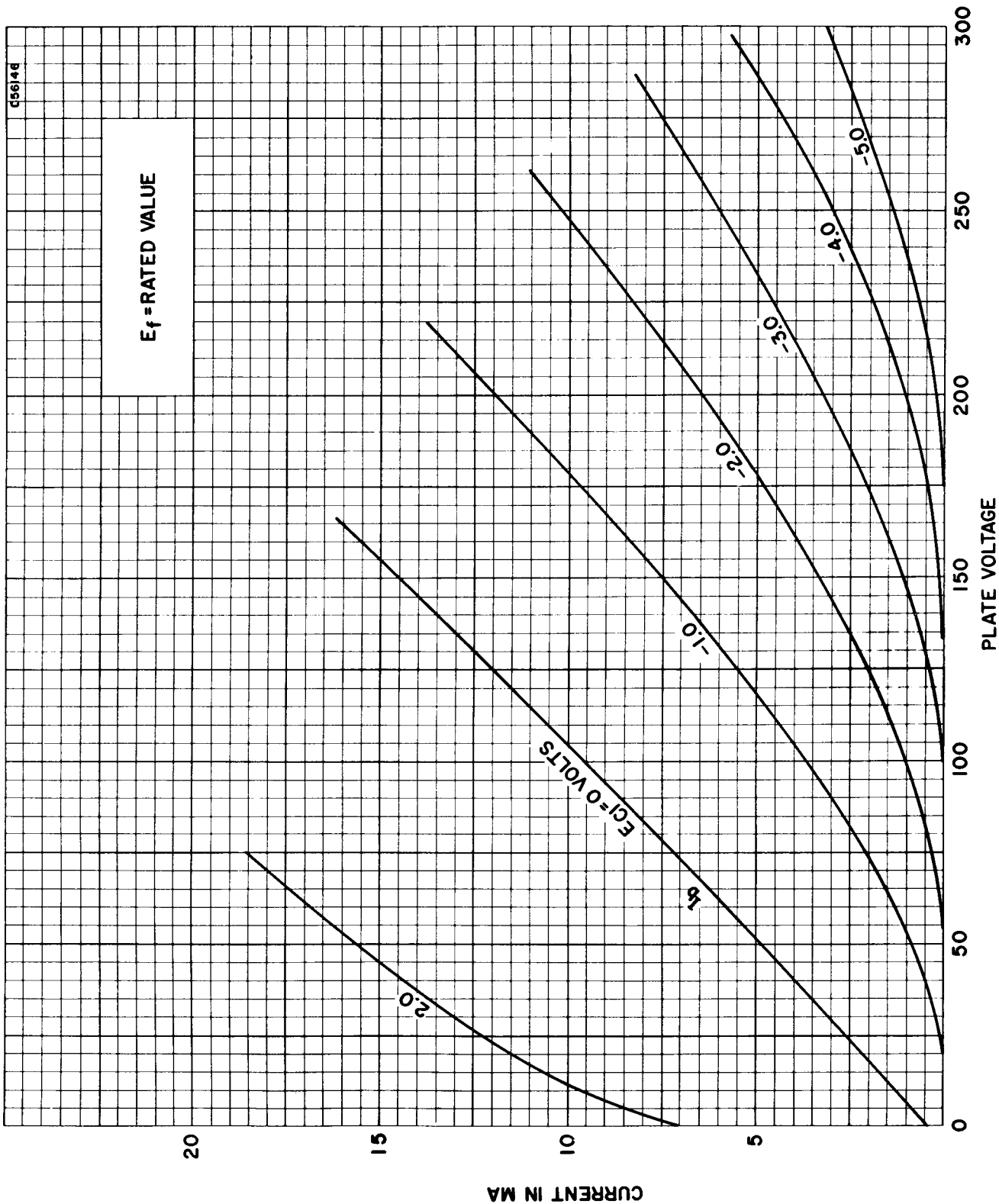
DEC. 1956

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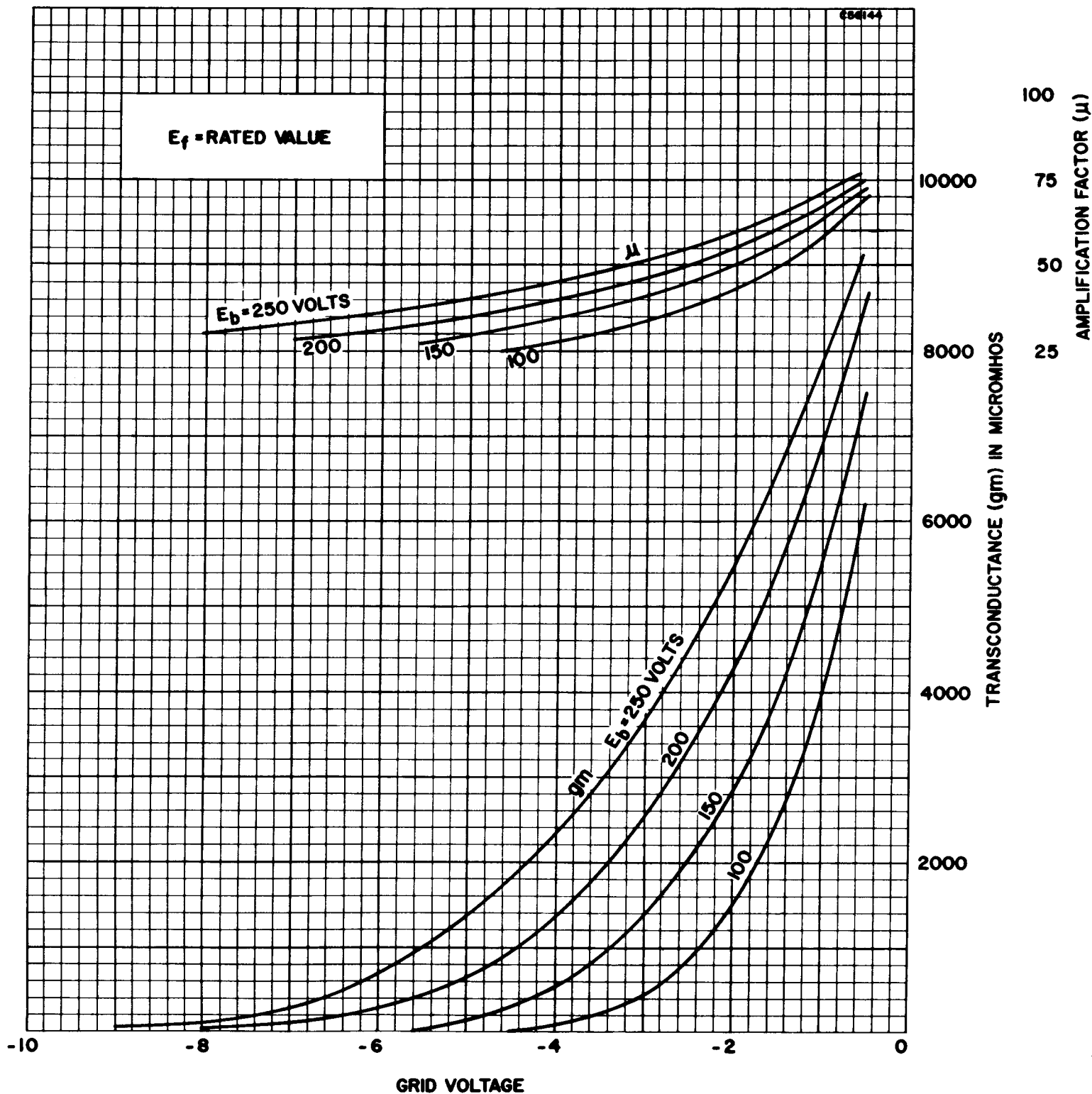
AVERAGE PLATE CHARACTERISTICS

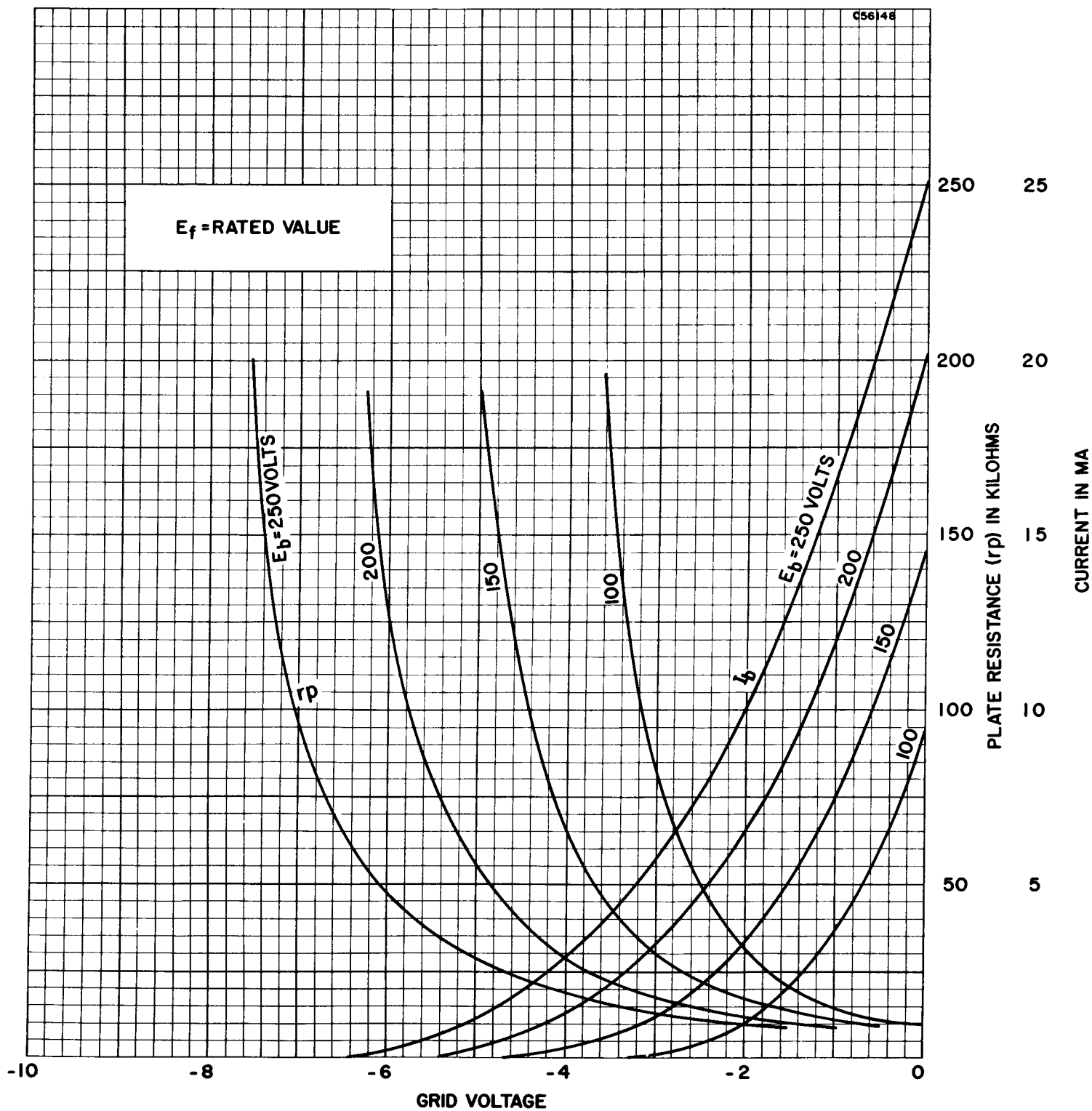


AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS





AVERAGE PLATE CHARACTERISTICS

