



engineering data service

SYLVANIA
12G4

MECHANICAL DATA

Bulb	T-5 1/2
Base	Miniature Button 7-Pin
Basing	6BG
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	12.6 Volts
Heater Current	150 Ma

DIRECT INTERELECTRODE CAPACITANCES

	Shielded ¹	Unshielded
Grid to Plate	3.4	3.4 μ f
Input	2.6	2.4 μ f
Output	3.2	0.9 μ f

RATINGS (Design Center Values)

Plate Voltage	300 Volts	Max.
Plate Dissipation	2.5 Watts	Max.
Heater-Cathode Voltage	90 Volts	Max.

CHARACTERISTICS AND TYPICAL OPERATION

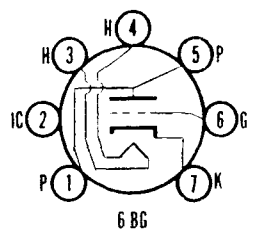
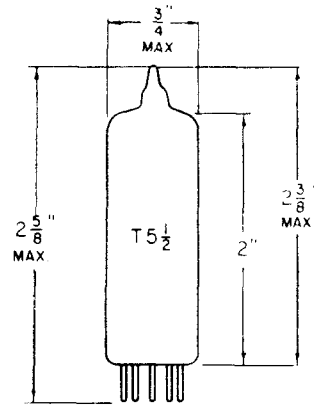
Plate Voltage	90	250 Volts
Grid Voltage	0	-8 Volts
Plate Current	10	9 Ma
Transconductance	3000	2600 μ mhos
Plate Resistance	6700	7700 Ohms
Amplification Factor	20	20
Grid Voltage (approx.)		
For $I_b = 10 \mu$ a	-7	-18 Volts

NOTE:

1. With shield No. 316 connected to cathode.

QUICK REFERENCE DATA

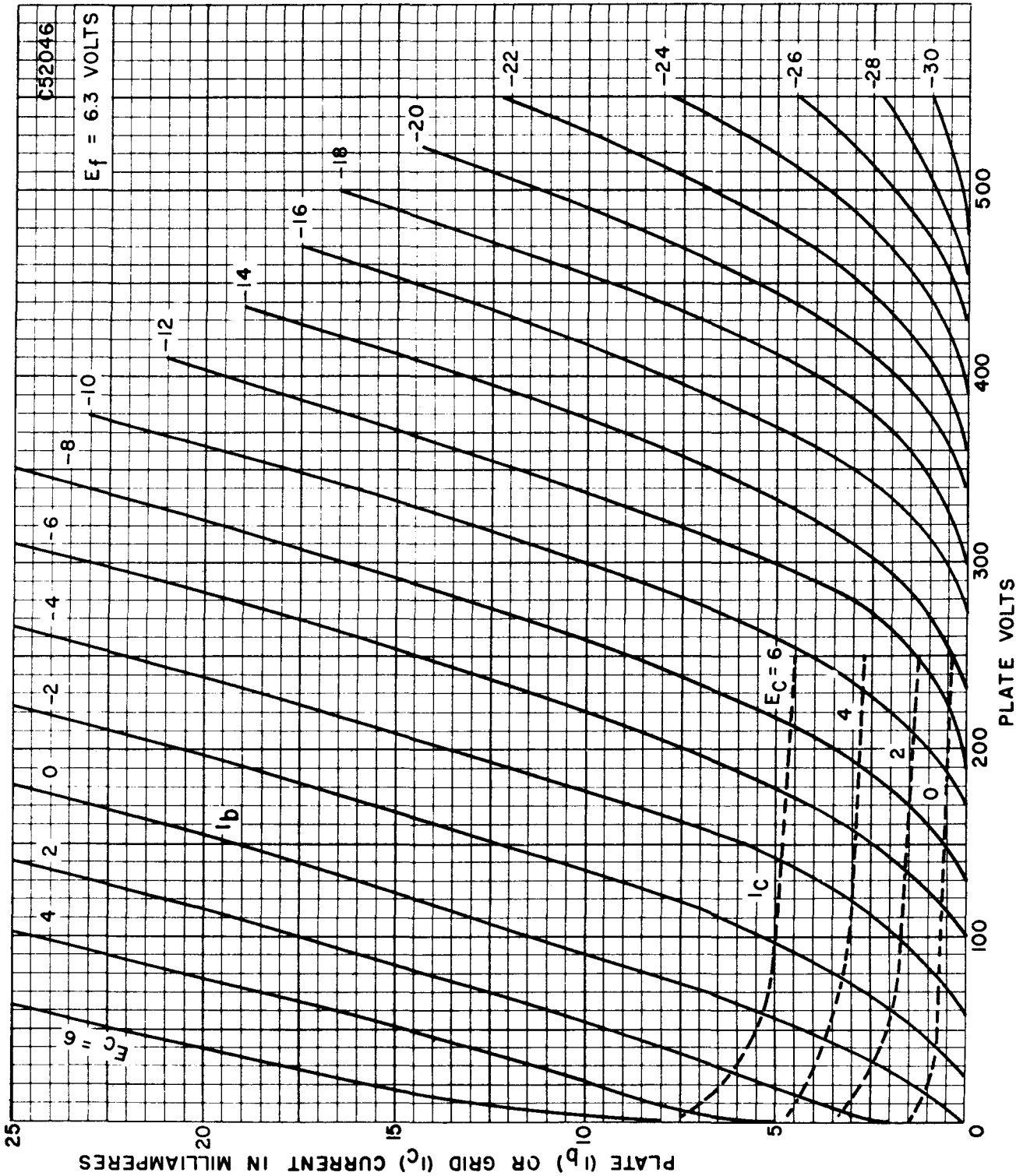
The Sylvania Type 12G4 is a miniature, general purpose, medium mu triode. Except for heater voltage, the type 12G4 is similar to one section of a type 6SN7GT.



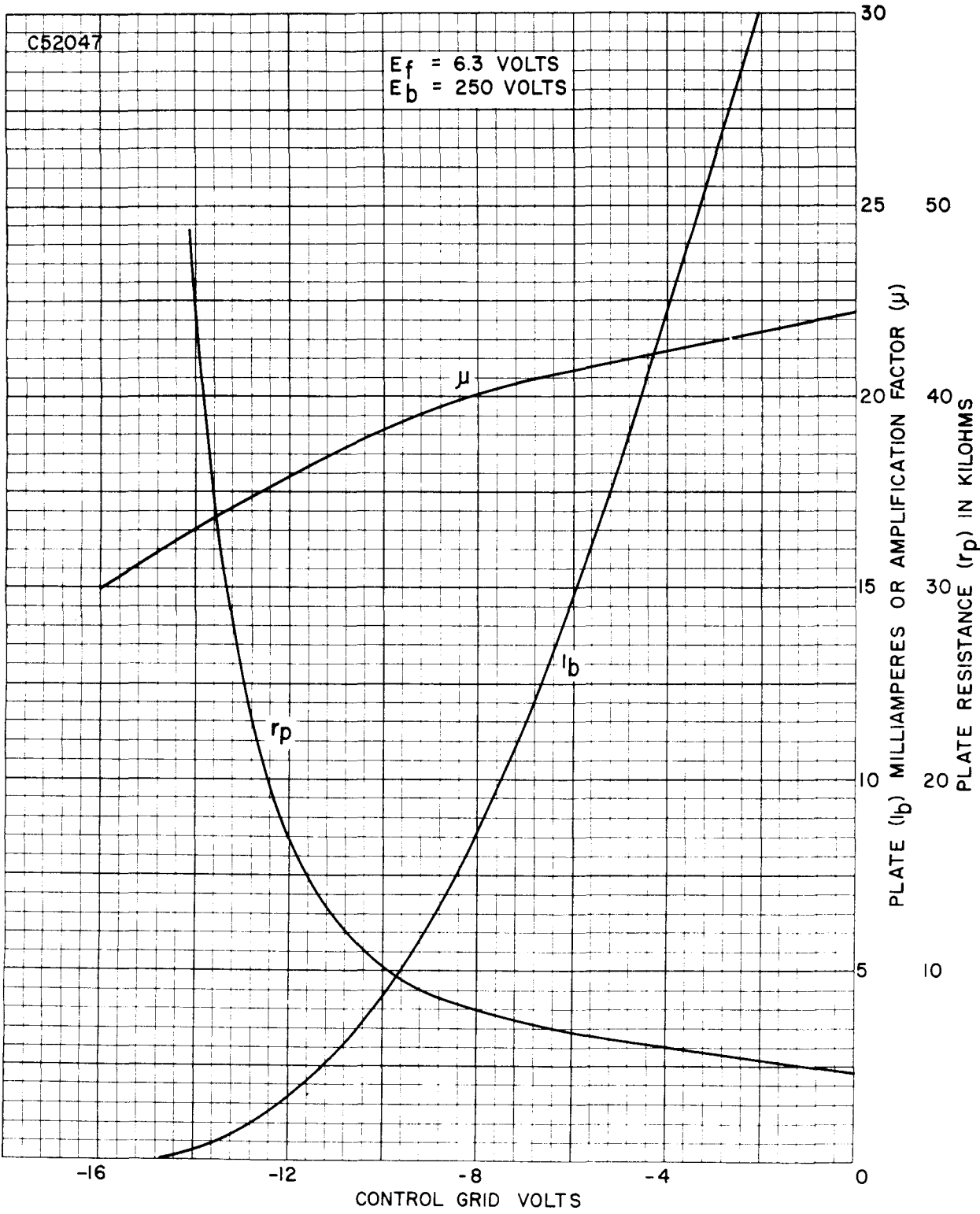
SYLVANIA ELECTRIC
PRODUCTS INC.
RADIO TUBE DIVISION

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AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

