

## MECHANICAL DATA

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

## ELECTRICAL DATA

### HEATER CHARACTERISTICS

|                |                           |                |
|----------------|---------------------------|----------------|
| Heater Voltage | Series/Parallel . . . . . | 12.6/6.3 Volts |
| Heater Current | Series/Parallel . . . . . | 150/300 Ma     |

### DIRECT INTERELECTRODE CAPACITANCES

|                         | Shielded <sup>1</sup> | Unshielded        |
|-------------------------|-----------------------|-------------------|
| Grid to Plate . . . . . | 3.4                   | 3.4 $\mu\text{f}$ |
| Input . . . . .         | 2.6                   | 2.4 $\mu\text{f}$ |
| Output . . . . .        | 3.2                   | 0.9 $\mu\text{f}$ |

### 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

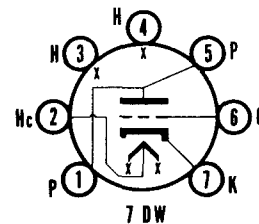
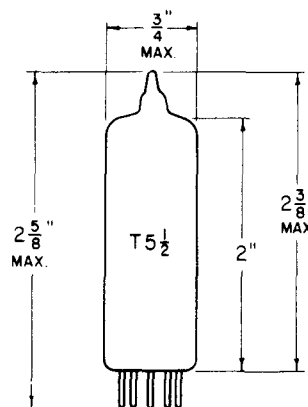
|                                                                |      |                       |
|----------------------------------------------------------------|------|-----------------------|
| Plate Voltage . . . . .                                        | 90   | 250 Volts             |
| Grid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

### NOTE:

1. With shield No. 316 connected to cathode.

## QUICK REFERENCE DATA

The Sylvania Type 12H4 is a miniature, general purpose, medium mu triode. Except for basing and heater operation, the Type 12H4 is identical to the Type 12G4. It is also similar to one section of a Type 12SN7GT.



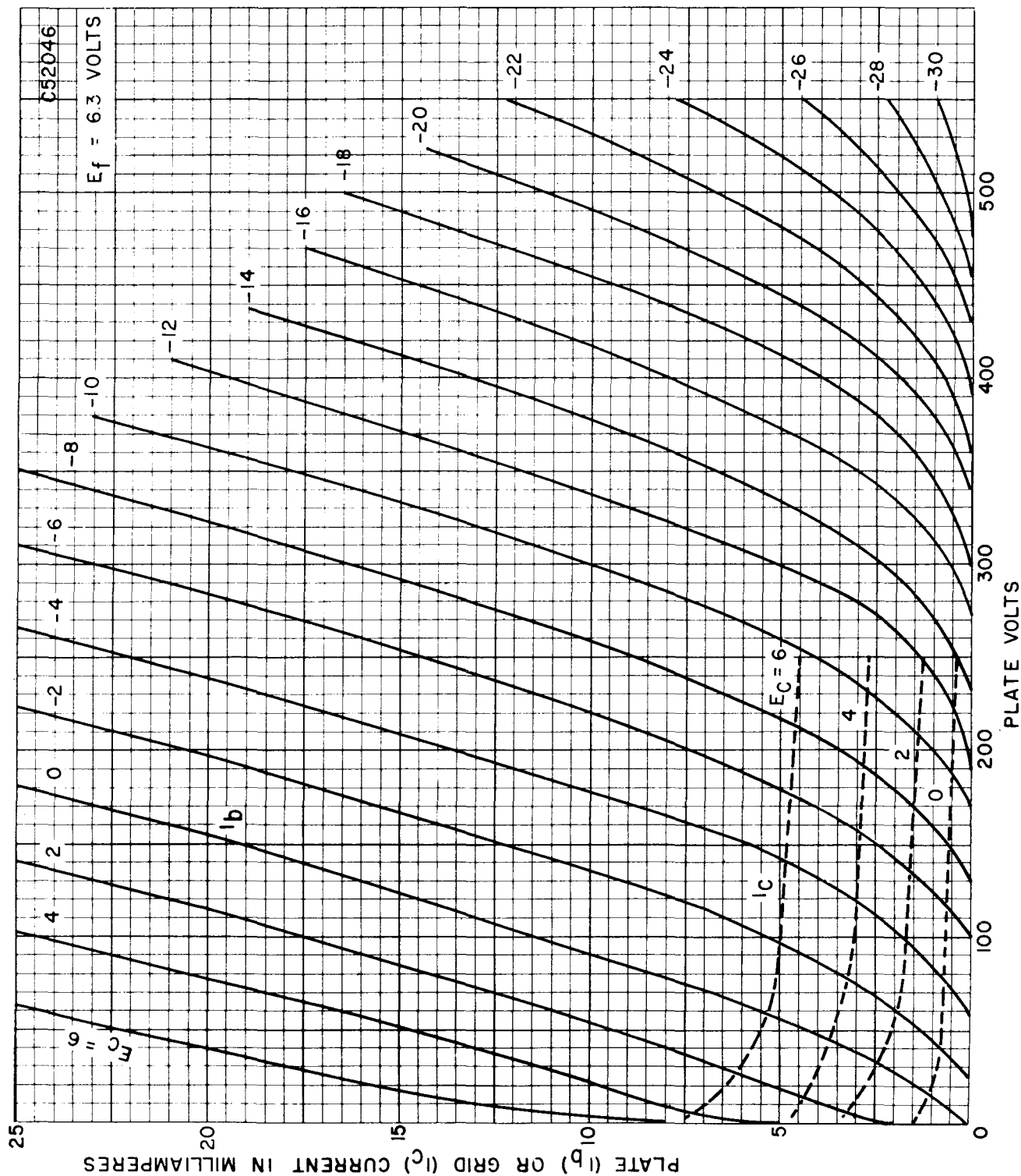
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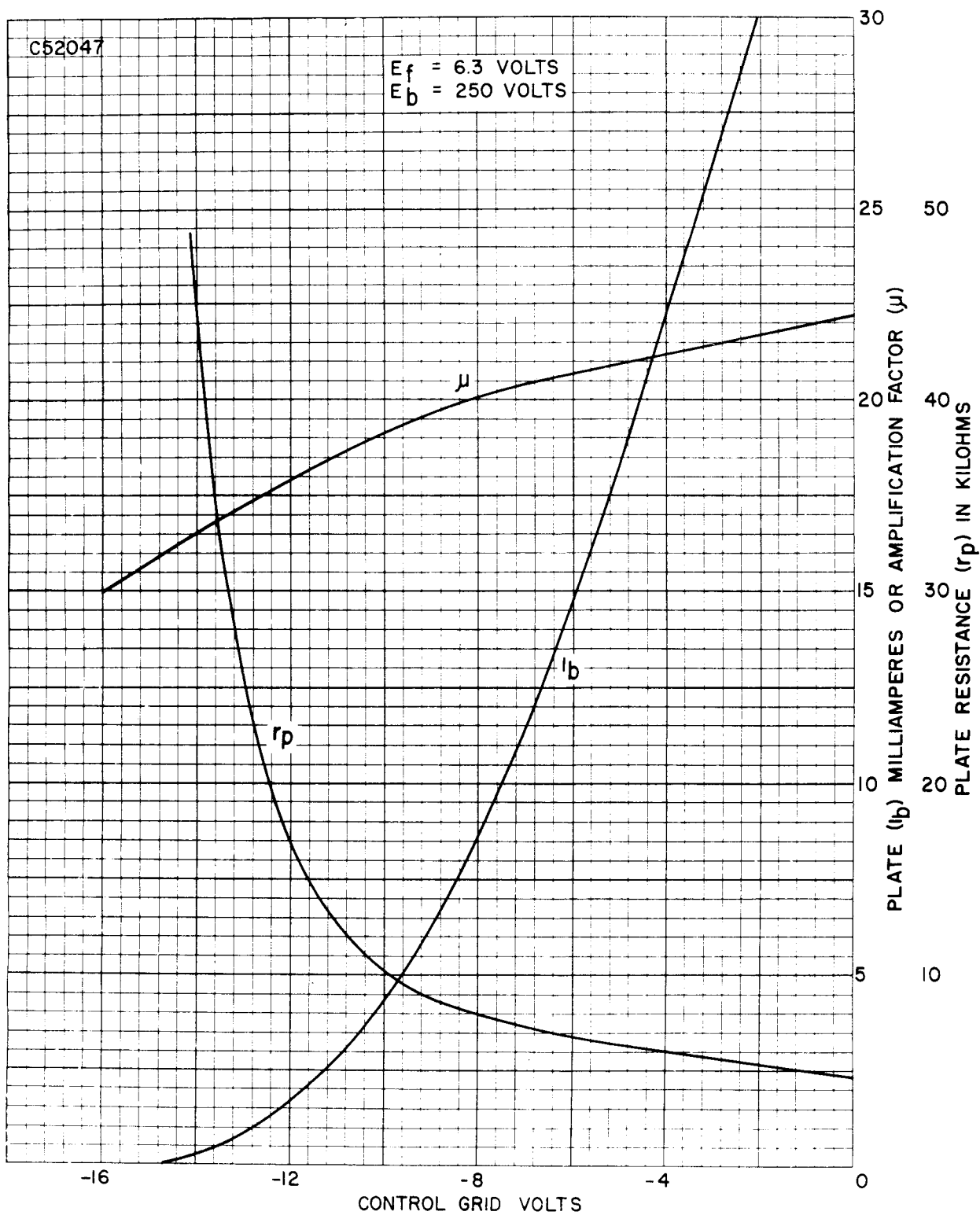
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AVERAGE PLATE CHARACTERISTICS



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