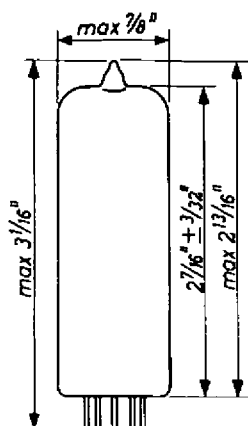


## High-vacuum single-anode RECTIFYING TUBE

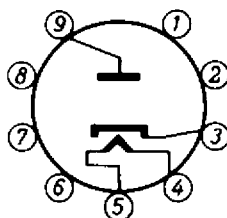
### MECHANICAL DATA

|                          |                     |
|--------------------------|---------------------|
| Cathode                  | Coated unipotential |
| Base                     | E9-1                |
| Bulb                     | T6½                 |
| RETMA basing designation | 9 BM                |
| Mounting position        | Any                 |

### TUBE OUTLINE



### BOTTOM VIEW OF BASE



### BASE PIN No.

|   |                     |
|---|---------------------|
| 1 | Not to be connected |
| 2 | Not to be connected |
| 3 | Cathode             |
| 4 | Heater              |
| 5 | Heater              |
| 6 | Not to be connected |
| 7 | Not to be connected |
| 8 | Not to be connected |
| 9 | Plate               |

### ELEMENT

### HEATER DATA

|                |           |
|----------------|-----------|
| Heater voltage | 6.3 volts |
| Heater current | 0.9 amp   |

### RATINGS for two tubes in full wave rectifying circuit (design center values)

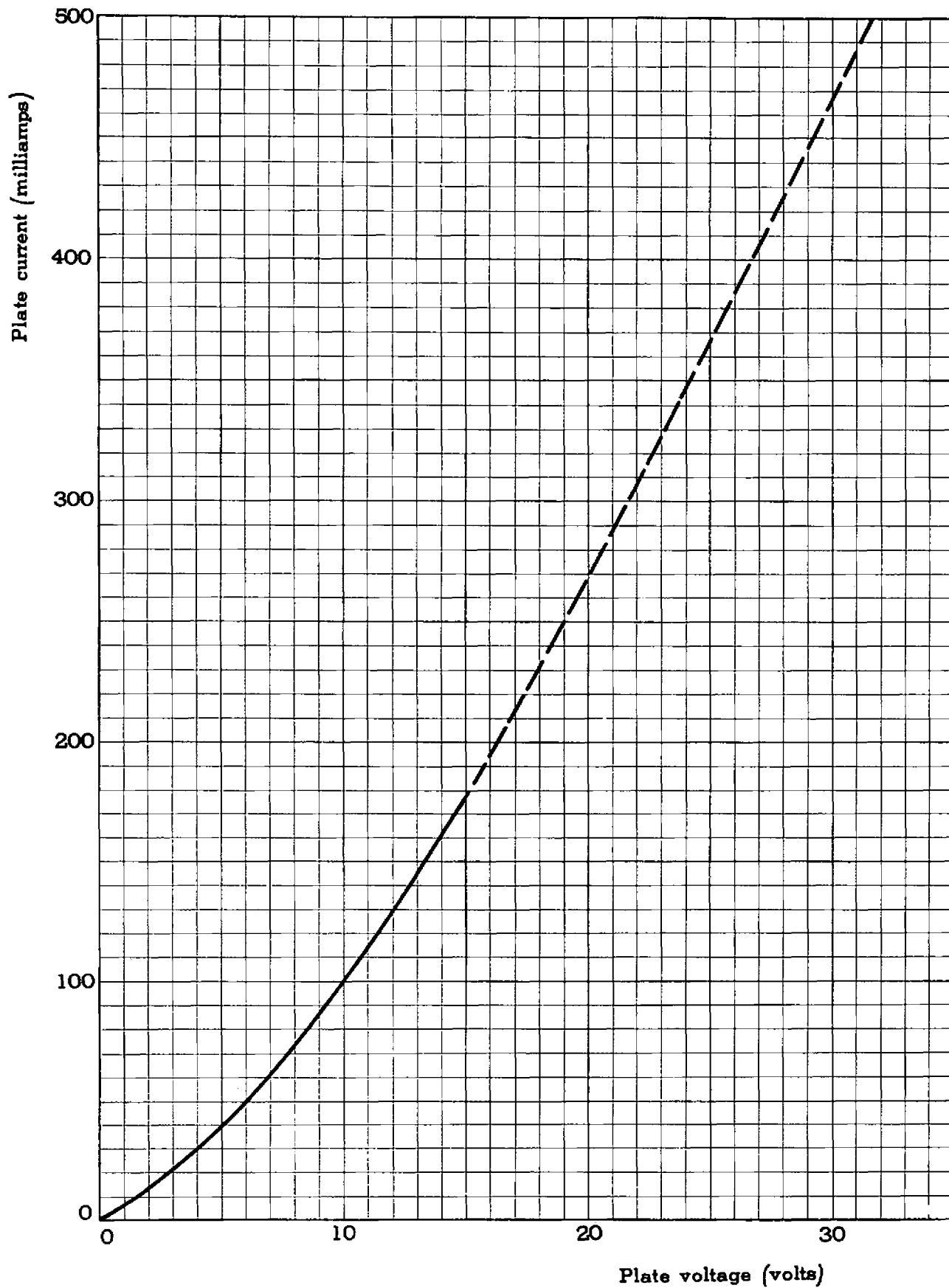
|                                |                 |
|--------------------------------|-----------------|
| Peak inverse plate voltage     | 850 volts max.  |
| D.C. output current            | 360 mamps max.  |
| Peak plate current (each tube) | 1100 mamps max. |
| Heater-cathode voltage         | 450 volts max.  |
| Filter input capacitor         | 60 µF max.      |

|   |       |       |                  |
|---|-------|-------|------------------|
| Transformer voltage                     | 2x300 | 2x280 | 2x250 volts, rms |
| Total effective plate supply resistance | 2x110 | 2x95  | 2x75 ohms min.   |

# 6N3

## OPERATING CONDITIONS (two tubes in full-wave rectifying circuit)

|                                  |       |       |                  |
|----------------------------------|-------|-------|------------------|
| Transformer voltage              | 2x300 | 2x280 | 2x250 volts, rms |
| Filter input capacitor           | 60    | 60    | 60 $\mu$ F       |
| Total effective plate resistance | 2x110 | 2x95  | 2x75 ohms        |
| D.C. output current              | 360   | 360   | 360 mamps        |
| D.C. output voltage              | 268   | 250   | 225 volts        |



# 6N3

