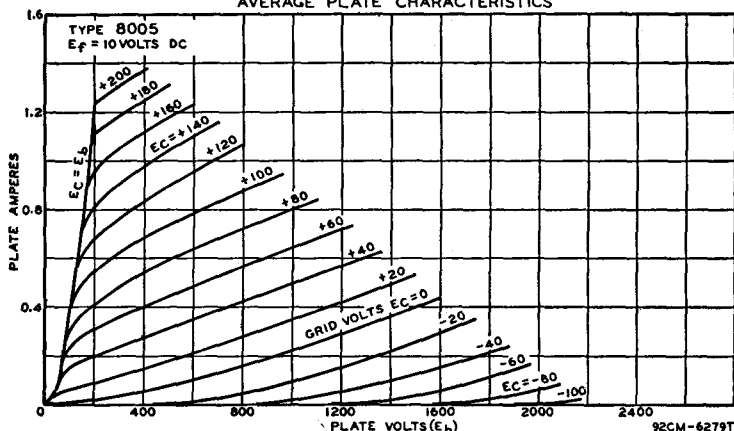


## AVERAGE PLATE CHARACTERISTICS

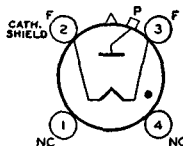


## HALF-WAVE MERCURY- VAPOR RECTIFIER

# 8008

Coated-filament type used in power supply of transmitting and industrial equipment. Maximum peak inverse anode volts, 10,000; maximum average anode amperes, 1.25. Requires

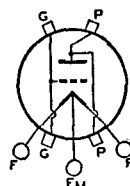
Super-Jumbo four-contact socket and may be mounted in vertical position only, base down. OUTLINE 54, *Outlines* Section. Except for physical dimension and base, the 8008 is identical to type 872-A.



## POWER TRIODE

# 8012-A

Thoriated-tungsten-filament type having filament mid-tap used as rf power amplifier and oscillator. May be used with full input up to 500 Mc. For operation at 600 Mc, plate voltage should be reduced to 70 per cent of maximum rating. May be mounted in vertical position only, filament end down or up. OUTLINE 18, *Outlines* Section. Forced-air cooling is required when plate dissipation exceeds 75 per cent of



the maximum rated value. Plate shows an orange-red color when tube is operated at maximum CCS ratings. The 8012-A is used principally for renewal purposes.

|                                     |      |               |
|-------------------------------------|------|---------------|
| FILAMENT VOLTAGE (AC/DC)            | 6.3  | volts         |
| FILAMENT CURRENT                    | 1.92 | amperes       |
| AMPLIFICATION FACTOR                | 18   |               |
| DIRECT INTERELECTRODE CAPACITANCES: |      |               |
| Grid to plate                       | 2.5  | $\mu\text{f}$ |
| Grid to filament mid-tap            | 2.7  | $\mu\text{f}$ |
| Plate to filament mid-tap           | 0.4  | $\mu\text{f}$ |

### Maximum CCS Ratings:

|                  |          |
|------------------|----------|
| DC PLATE VOLTAGE | 800 max  |
| DC GRID VOLTAGE  | -200 max |
| DC PLATE CURRENT | 65 max   |
| DC GRID CURRENT  | 20 max   |

### Class C Telephony\*

|          |
|----------|
| 800 max  |
| -200 max |
| 65 max   |
| 20 max   |

### Class C Telegraphy#

|          |       |
|----------|-------|
| 1000 max | volts |
| -200 max | volts |
| 80 max   | ma    |
| 20 max   | ma    |