

RCA-50 POWER AMPLIFIER

| | | |
|--|---------|------------------|
| Filament | Coated | |
| Voltage | 7.5 | a-c or d-c volts |
| Current | 1.25 | amp. |
| Direct Interelectrode Capacitances: | | |
| Grid to Plate | 7.1 | μf |
| Grid to Filament | 4.2 | μf |
| Plate to Filament | 3.4 | μf |
| Maximum Overall Length | | 6-1/4" |
| Maximum Diameter | (2) (3) | 2-7/16" |
| Bulb | | ST-19 |
| Base | | Med. 4-Pin Bay. |
| Pin 1-Filament | (1) (4) | Pin 3-Grid |
| Pin 2-Plate | | Pin 4-Filament |

BOTTOM VIEW

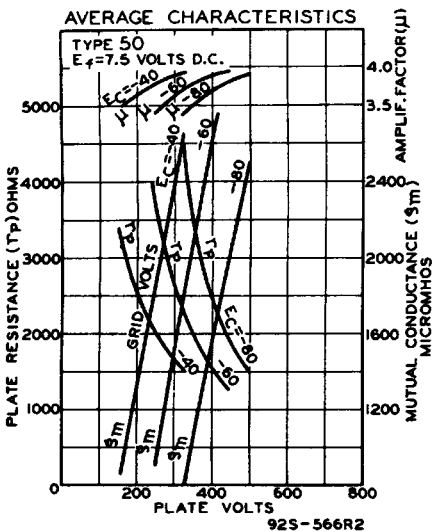
AMPLIFIER (Class A)

Operating Conditions and Characteristics:

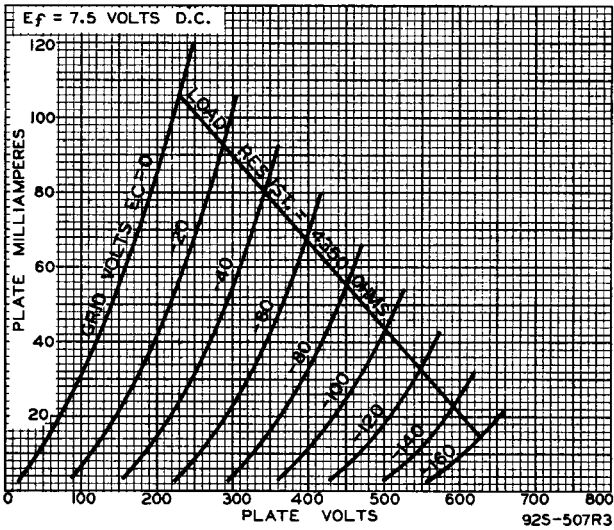
| | | | | | |
|------------|------|------|------|----------|-----------|
| Filament | 7.5 | 7.5 | 7.5 | 7.5 | a-c volts |
| Plate | 300 | 350 | 400 | 450 max. | volts |
| Grid* | -54 | -65 | -70 | -84 | volts |
| Amp. Fact. | 3.8 | 3.8 | 3.8 | 3.8 | |
| Plate Res. | 2000 | 1900 | 1800 | 1800 | ohms |
| Mut. Cond. | 1900 | 2000 | 2100 | 2100 | μmhos |
| Plate Cur. | 35 | 45 | 55 | 55 | ma. |
| Load Res. | 4600 | 4100 | 3670 | 4350 | ohms |
| U.P.O. | 1.6 | 2.4 | 3.4 | 4.6 | watts |

Self-bias is advisable in all cases. The resistance in the grid-coupling circuit should not exceed 10000 ohms.

* Grid volts measured from mid-point of a-c operated filament.



AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

