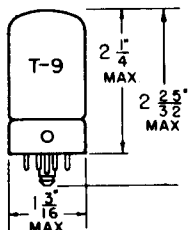


TUNG-SOL

PENTODE



GLASS BULB

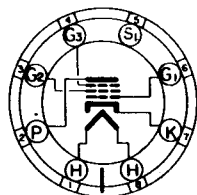
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN
8 PIN BASE

BY

THE 7C7 IS A SHARP CUT-OFF GENERAL PURPOSE PENTODE AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED TO CATHODE

| | | |
|---|-------|----------------|
| GRID #1 TO PLATE: (G_1 TO P) | 0.007 | μmf |
| INPUT: G_1 TO (H+K+ G_2 + G_3 +I+S) | 6 | μmf |
| OUTPUT: P TO (H+K+ G_2 + G_3 +I+S) | 6.5 | μmf |

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

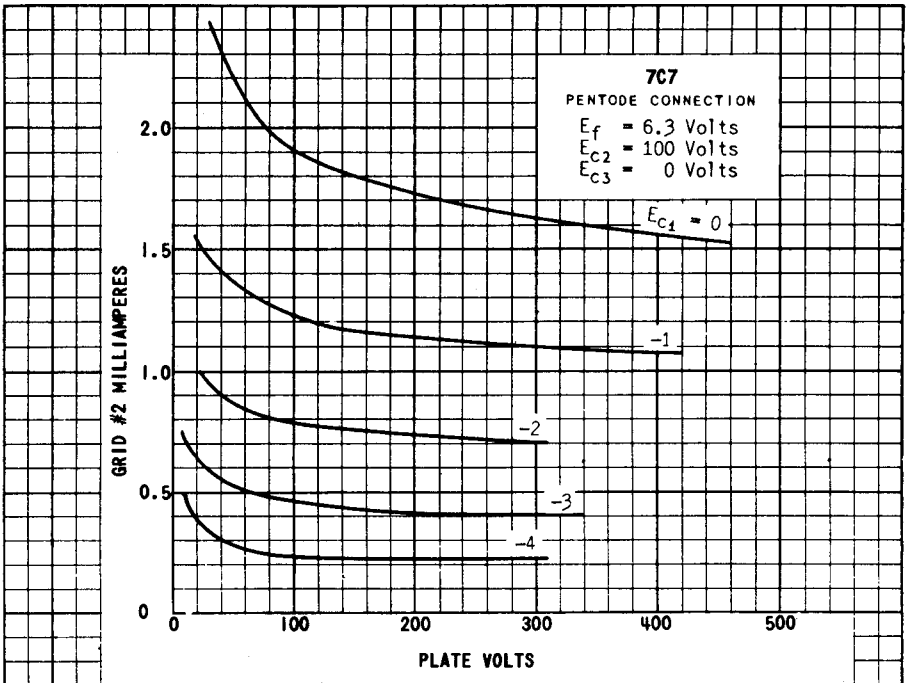
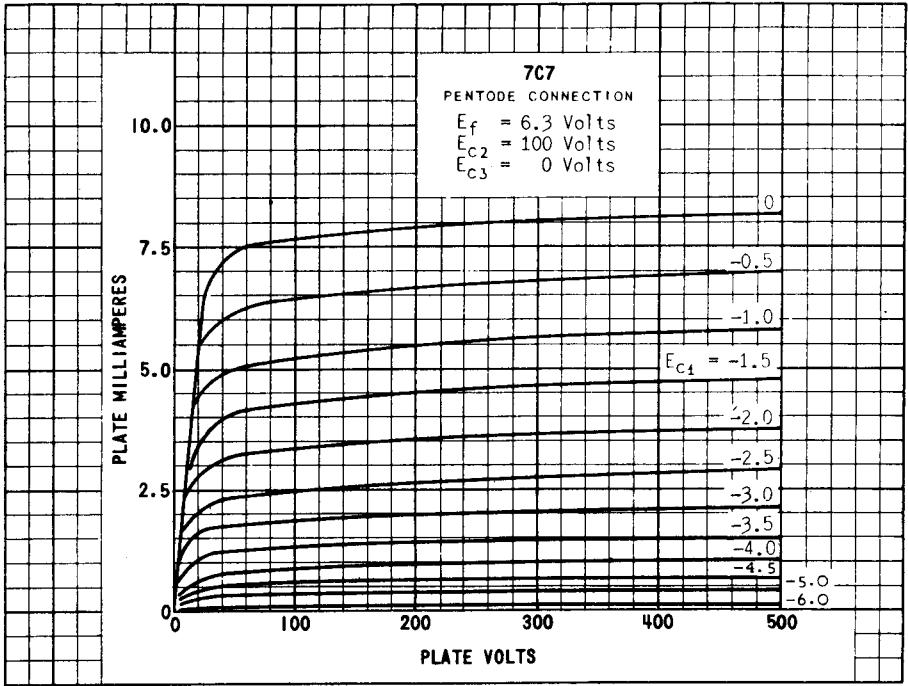
| | | |
|--------------------------------|-----|-------|
| HEATER VOLTAGE | 6.3 | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE | 90 | VOLTS |
| MAXIMUM PLATE VOLTAGE | 300 | VOLTS |
| MINIMUM GRID #1 VOLTAGE | 0 | VOLTS |
| MAXIMUM GRID #2 VOLTAGE | 100 | VOLTS |
| MAXIMUM GRID #2 SUPPLY VOLTAGE | 300 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 1 | WATT |
| MAXIMUM GRID #2 DISSIPATION | 0.1 | WATT |

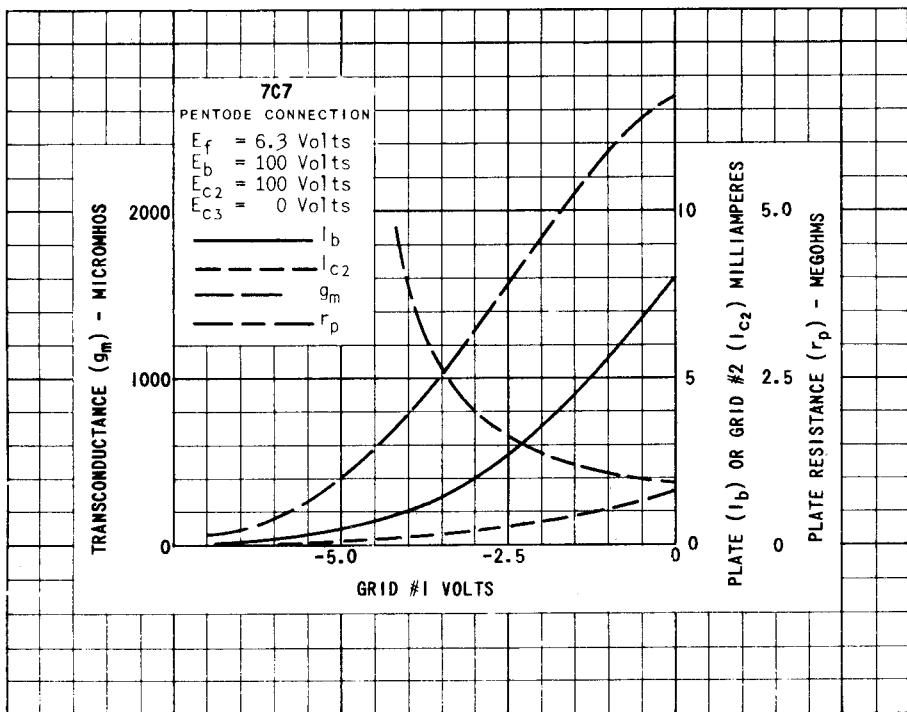
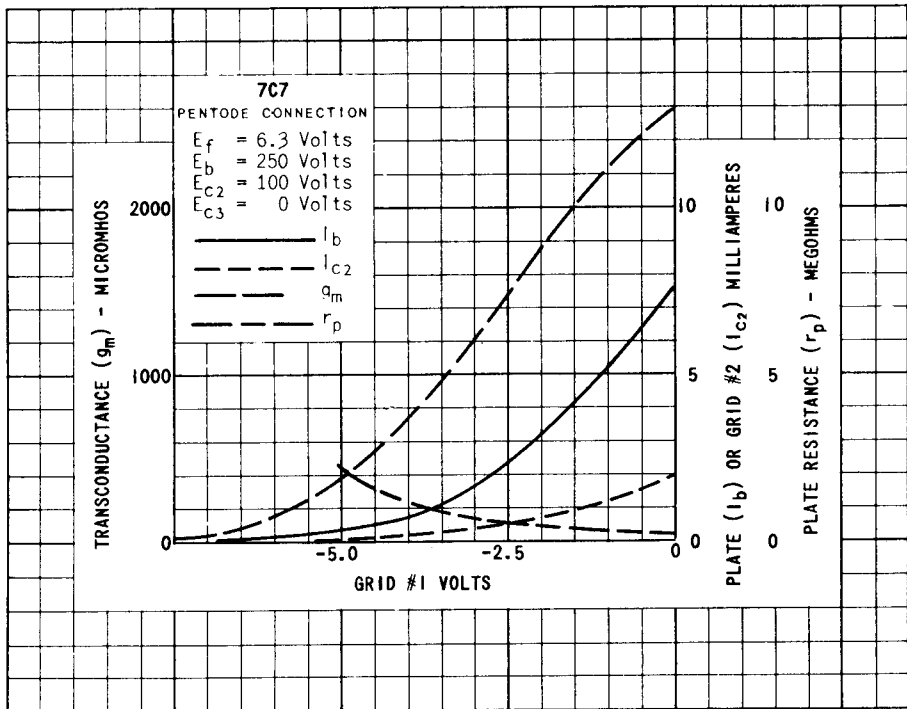
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

| | | | |
|---|--|-------|------------------|
| HEATER VOLTAGE | 6.3 | 6.3 | VOLTS |
| HEATER CURRENT | 300 | 300 | MA. |
| PLATE VOLTAGE | 100 | 250 | VOLTS |
| GRID #2 VOLTAGE | 100 | 100 | VOLTS |
| GRID #1 VOLTAGE | -1 | -3 | VOLTS |
| SELF-BIAS RESISTOR | 130 | 1 000 | OHMS |
| GRID #3 VOLTAGE | PINS #4 AND #5 CONNECTED TO PIN #7 AT SOCKET | | |
| PLATE CURRENT | 5.7 | 2.2 | MA. |
| GRID #2 CURRENT | 1.8 | 0.7 | MA. |
| PLATE RESISTANCE (APPROX.) | 0.4 | 1 | MEGOHM |
| TRANSCONDUCTANCE | 2 275 | 1 575 | μMHOS |
| GRID VOLTAGE FOR CATHODE CURRENT CUTOFF | -7 | -7 | VOLTS |

→ INDICATES A CHANGE OR ADDITION.





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PLATE
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