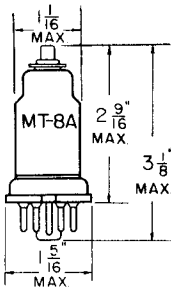


## TUNG-SOL

## PENTODE

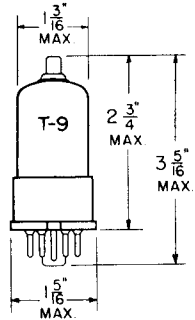


METAL SHELL

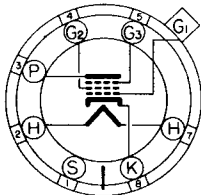
COATED UNIPOTENTIAL CATHODE

HEATER  
6.3 VOLTS 300 MA.  
AC OR DC

ANY MOUNTING POSITION

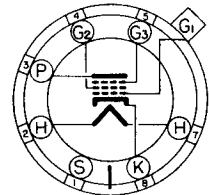


GLASS BULB



BOTTOM VIEW

SMALL WAFER  
7 PIN OCTAL  
7R



BOTTOM VIEW

SMALL WAFER  
7 PIN OCTAL  
METAL SLEEVE  
7R

THE 6K7,6K7GT IS A VARIABLE MU PENTODE AMPLIFIER IN THE OCTAL METAL (GLASS) CONSTRUCTION. IT IS SUITABLE FOR USE WITH AVC IN RF AND IF AMPLIFIERS AND MINIMIZES CROSS MODULATION.

## DIRECT INTERELECTRODE CAPACITANCES

|                                                                     | 6K7 <sup>A</sup> | 6K7GT <sup>B</sup> |     |
|---------------------------------------------------------------------|------------------|--------------------|-----|
| GRID TO PLATE: (G TO P) MAX.                                        | 0.005            | 0.005              | μuf |
| INPUT: G <sub>1</sub> TO (H+K+G <sub>2</sub> +G <sub>3</sub> +S+IS) | 7                | 4.6                | μuf |
| OUTPUT: P TO (H+K+G <sub>2</sub> +G <sub>3</sub> +S+IS)             | 12               | 12                 | μuf |

<sup>A</sup> WITH SHELL CONNECTED TO CATHODE<sup>B</sup> WITH EXTERNAL SHIELD #308 CONNECTED TO PIN #1 AND PIN #8.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

|                                     |      |       |
|-------------------------------------|------|-------|
| HEATER VOLTAGE                      | 6.3  | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE      | 90   | VOLTS |
| MAXIMUM PLATE VOLTAGE               | 300  | VOLTS |
| MAXIMUM GRID #2 VOLTAGE             | 125  | VOLTS |
| MAXIMUM GRID #2 SUPPLY VOLTAGE      | 300  | VOLTS |
| MAXIMUM POSITIVE DC GRID #1 VOLTAGE | 0    | VOLTS |
| MAXIMUM PLATE DISSIPATION           | 2.75 | WATTS |
| MAXIMUM GRID #2 DISSIPATION         | 0.35 | WATT  |

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE OR ADDITION.

CONTINUED FROM PRECEDING PAGE

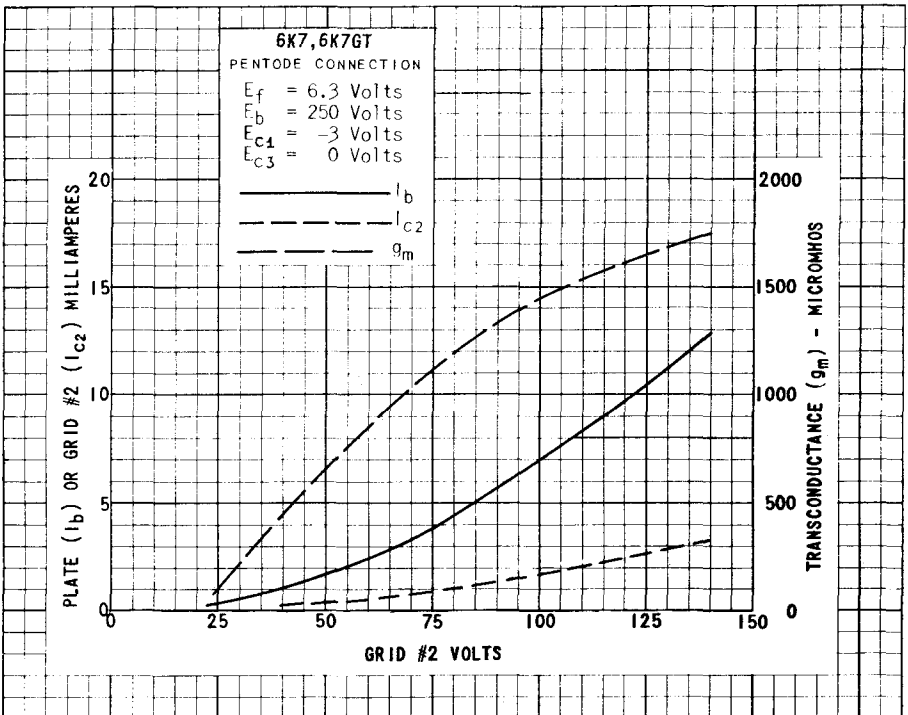
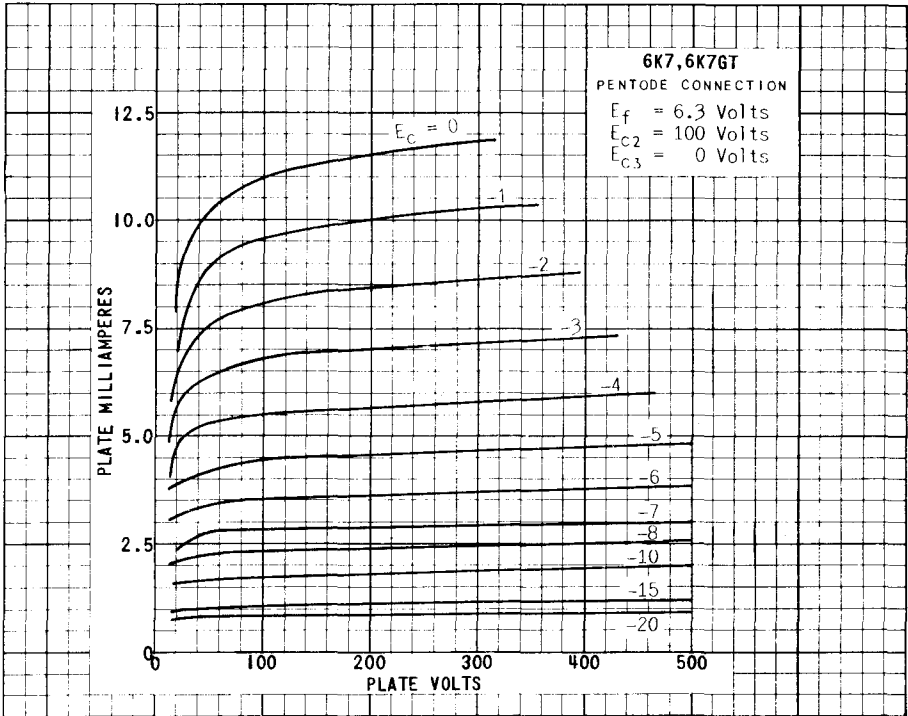
## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                                                           |                                      |       |       |        |
|-----------------------------------------------------------|--------------------------------------|-------|-------|--------|
| HEATER VOLTAGE                                            | 6.3                                  | 6.3   | 6.3   | VOLTS  |
| HEATER CURRENT                                            | 300                                  | 300   | 300   | MA.    |
| PLATE VOLTAGE                                             | 100                                  | 250   | 250   | VOLTS  |
| GRID #3 VOLTAGE                                           | PIN #5 CONNECTED TO PIN #8 AT SOCKET |       |       |        |
| GRID #2 VOLTAGE                                           | 100                                  | 100   | 125   | VOLTS  |
| GRID #1 VOLTAGE                                           | -1                                   | -3    | -3    | VOLTS  |
| PLATE RESISTANCE (APPROX.)                                | 0.15                                 | 0.8   | 0.6   | MEGOHM |
| TRANSCONDUCTANCE                                          | 1 650                                | 1 450 | 1 650 | μMHOS  |
| PLATE CURRENT                                             | 9.5                                  | 7     | 10.5  | MA.    |
| GRID #2 CURRENT                                           | 2.7                                  | 1.7   | 2.6   | MA.    |
| GRID #4 VOLTAGE FOR $G_m = 2 \mu\text{MHOS}$<br>(APPROX.) | -38.5                                | -42.5 | -52.5 | VOLTS  |

→ INDICATES A CHANGE OR ADDITION.

 PLATE  
2220  
JULY 1,  
1949



# 6K7, 6K7GT (12K7GT)

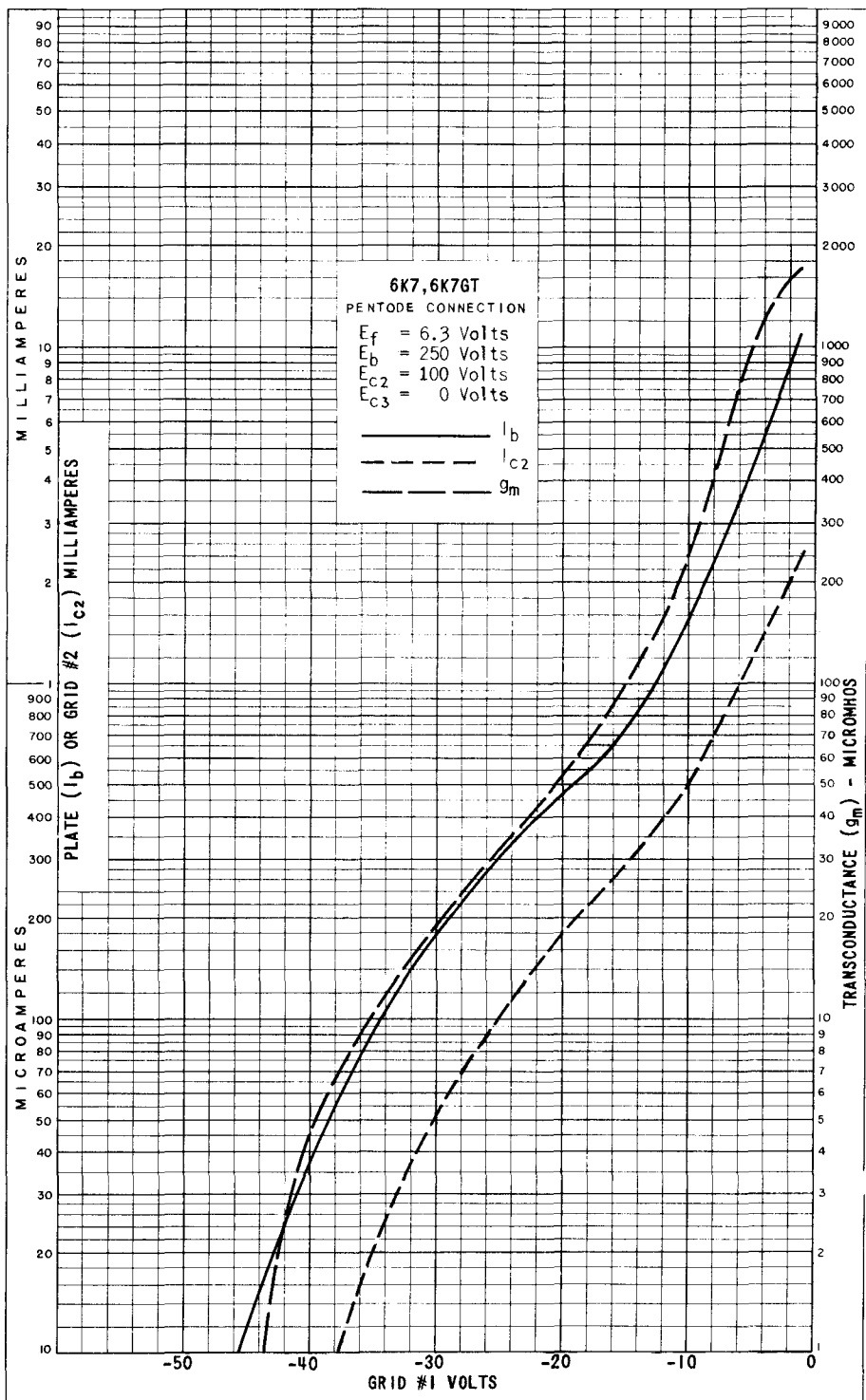


PLATE 2222  
JULY 1, 1949