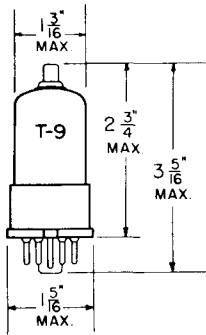


## TUNG-SOL

## PENTODE



GLASS BULB

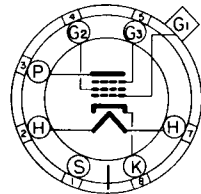
COATED UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL WAFER  
7 PIN OCTAL  
METAL SLEEVE  
7R

THE 12K7GT IS A VARIABLE MU PENTODE AMPLIFIER IN THE OCTAL GLASS CONSTRUCTION. IT IS SUITABLE FOR USE WITH AVC IN RF AND IF AMPLIFIERS AND MINIMIZES CROSS MODULATION.

## DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE: (G TO P) MAX.

0.005  $\mu$ mfINPUT:  $G_1$  TO (H+K+ $G_2$ + $G_3$ +S+IS)4.6  $\mu$ mfOUTPUT: P TO (H+K+ $G_2$ + $G_3$ +S+IS)12  $\mu$ mf

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

|                                     |      |       |
|-------------------------------------|------|-------|
| HEATER VOLTAGE                      | 12.6 | 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.

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

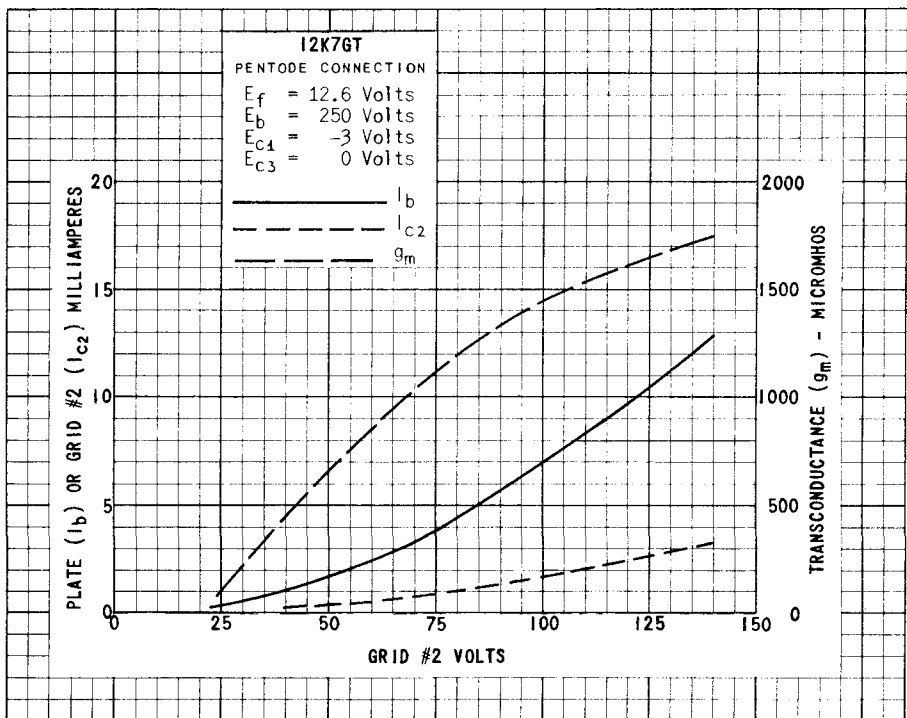
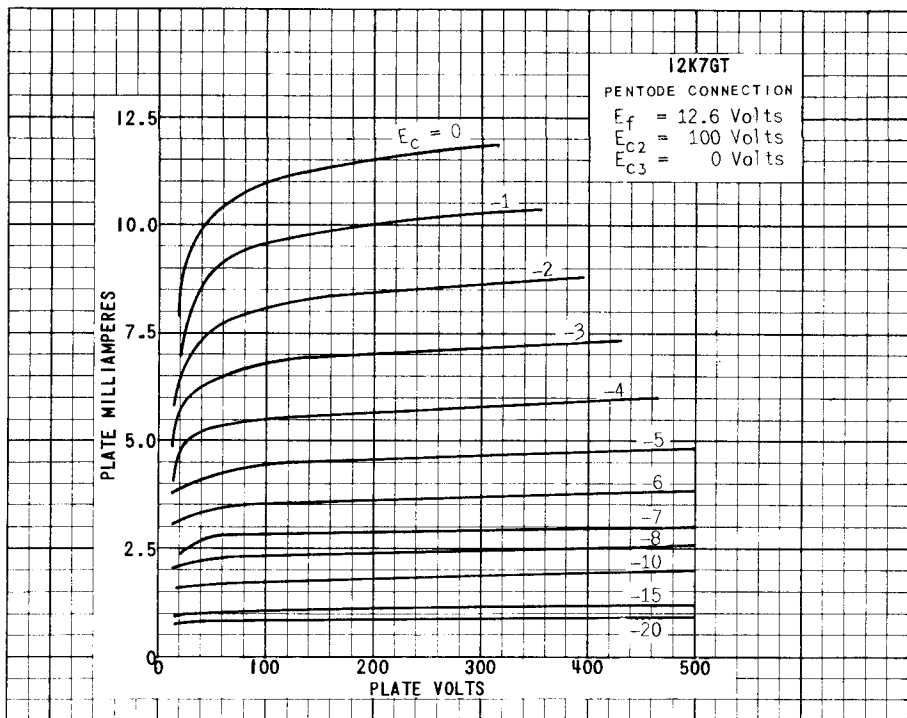
## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                                                           |                                      |       |       |        |
|-----------------------------------------------------------|--------------------------------------|-------|-------|--------|
| HEATER VOLTAGE                                            | 12.6                                 | 12.6  | 12.6  | VOLTS  |
| HEATER CURRENT                                            | 150                                  | 150   | 150   | 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 #1 VOLTAGE FOR $G_m = 2 \mu\text{MHOS}$<br>(APPROX.) | -38.5                                | -42.5 | -52.5 | VOLTS  |

→ INDICATES A CHANGE OR ADDITION.

 PLATE  
2224  
JULY 1,  
1949



PRINTED IN U.S.A.

PLATE  
2225  
JULY 1,  
1949

# 12K7GT(6K7,6K7GT)

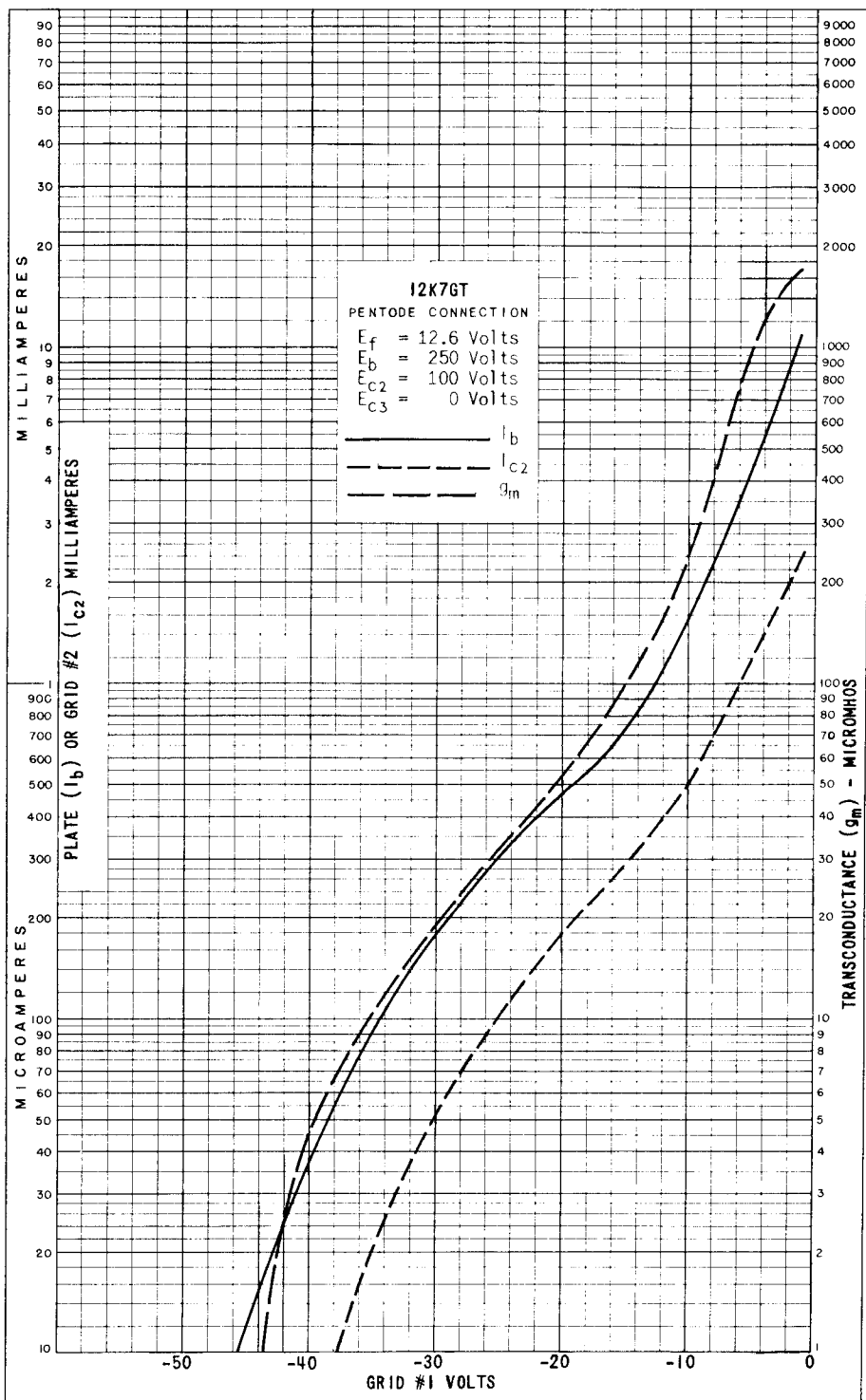


PLATE  
 2226  
 JULY 1,  
 1949