

## TUNG-SOL

## DOUBLE-DIODE TRIODE

MINIATURE TYPE

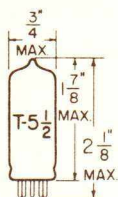
COATED UNIPOTENTIAL CATHODE

HEATER

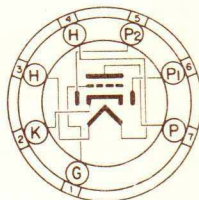
6.3 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON  
7 PIN BASE

THE 6AQ6 COMBINES TWO DIODES AND A HIGH-MU TRIODE VOLTAGE AMPLIFIER IN THE MINIATURE CONSTRUCTION. THE THREE SECTIONS USE A COMMON CATHODE BUT ARE ADEQUATELY SHIELDED TO PROVIDE FOR SIMULTANEOUS SERVICE AS DETECTORS, AVC RECTIFIER, AND AUDIO VOLTAGE AMPLIFIER. THIS TUBE IS PARTICULARLY USEFUL IN DESIGNS REQUIRING ECONOMY OF HEATER POWER.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

|                                |     |       |
|--------------------------------|-----|-------|
| HEATER VOLTAGE                 | 6.3 | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE | 90  | VOLTS |
| MAXIMUM PLATE VOLTAGE          | 300 | VOLTS |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

TRIODE UNIT - CLASS A<sub>1</sub> AMPLIFIER

|                      |        |        |       |
|----------------------|--------|--------|-------|
| HEATER VOLTAGE       | 6.3    | 6.3    | VOLTS |
| HEATER CURRENT       | 150    | 150    | MA.   |
| PLATE VOLTAGE        | 100    | 250    | VOLTS |
| GRID VOLTAGE         | -1     | -3     | VOLTS |
| PLATE CURRENT        | 0.8    | 1.0    | MA.   |
| PLATE RESISTANCE     | 61 000 | 58 000 | OHMS  |
| TRANSCONDUCTANCE     | 1 150  | 1 200  | μMHOS |
| AMPLIFICATION FACTOR | 70     | 70     |       |

## DIODE UNITS - TWO

THE DIODE UNITS ARE INDEPENDENT OF THE TRIODE UNIT EXCEPT FOR THE COMMON CATHODE SLEEVE. DIODE BIASING OF THE TRIODE IS NOT SUITABLE.

*SIMILAR TYPE REFERENCE: Ratings and Characteristics somewhat similar to 6AT6, 6Q7, 6Q7GT, 6SQ7, 6SQ7GT, 7B6, 7C6.*

# 6AQ6

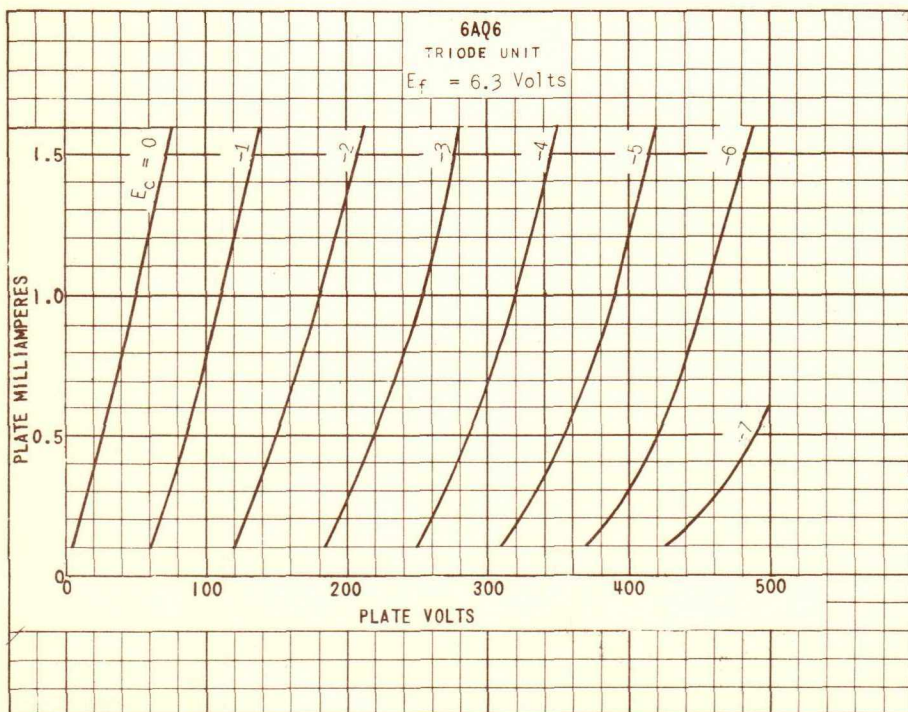
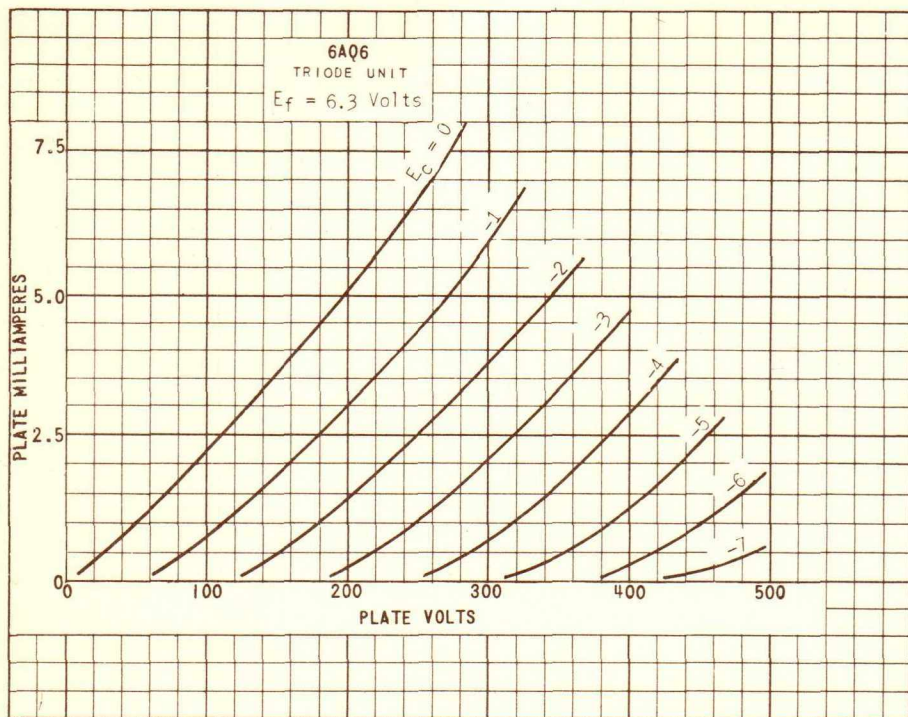


PLATE  
2037  
JULY 1,  
1948