DOUBLE-DIODE TRIODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE
HEATER
6.3 VOLTS 150 MA.
AC OR DC
ANY MOUNTING POSITION

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 A1 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 56 000 OHMS
TRANS CONDUCTANCE 1 150 1 200 MMHMS
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, 70S, 7C6.

PLATE 2036
JULY 1, 1948

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