TRIODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 150 MA.
AC OR DC

ANY MOUNTING POSITION
IT IS RECOMMENDED THAT PIN #2
BE GROUNDED.

THE 6AB4 IS A TRIODE USING THE MINIATURE CONSTRUCTION. ITS LOW CAPACITANCE AND HIGH RATIO OF PLATE CURRENT TO TRANSCONDUCTANCE ADAPT IT TO USE AS A HIGH FREQUENCY OSCILLATOR AND MIXER AT FREQUENCIES BELOW APPROXIMATELY 300 MC OR AS A GROUNDED GRID RADIO FREQUENCY AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

WITH SHIELD #316  WITHOUT SHIELD
GRID TO PLATE: (G TO P)  1.5  1.5  pf
INPUT: G TO (H+K)  2.2  2.2  pf
OUTPUT: P TO (H+K)  1.4  0.5  pf
HEATER TO CATHODE: (H+K)  2.9  2.9  pf
GROUNDED GRID
PLATE TO CATHODE: (P TO K)  0.2  0.24  pf
INPUT: K TO (H+G)  5.2  5  pf
OUTPUT: P TO (H+G)  2.6  1.7  pf

RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE  6.3 VOLTS
MAXIMUM HEATER—CATHODE VOLTAGE  90 VOLTS
MAXIMUM PLATE VOLTAGE  300 VOLTS
MAXIMUM NEGATIVE DC GRID VOLTAGE  50 VOLTS
MAXIMUM PLATE DISSIPATION  2.5 WATTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

HEATER VOLTAGE  6.3  6.3  VOLTS
HEATER CURRENT  150  150  MA.
PLATE VOLTAGE  100  250  VOLTS
CATHODE RESISTOR  270  200  OHMS
PLATE CURRENT  3.7  10  MA.
PLATE RESISTANCE  15 000  10 900  OHMS
TRANSCONDUCTANCE  4 000  5 500  μMhos
AMPLIFICATION FACTOR  60  60
GRID VOLTAGE (APPROX.) FOR I b = 10 MA.  -5  -12  VOLTS

SIMILAR TYPE REFERENCE: Somewhat similar to each unit of type 12AX7.

*INDICATES A CHANGE.