

TUNG-SOL

PENTODE

MINIATURE TYPE

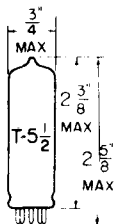
COATED UNIPOTENTIAL CATHODE

HEATER

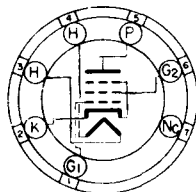
6.3 VOLTS 400 MA.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

THE 6AR5 IS A PENTODE POWER AMPLIFIER USING THE MINIATURE CONSTRUCTION. IT IS INTENDED FOR SERVICE IN AC AND STORAGE BATTERY OPERATED RECEIVERS WHERE MODERATE POWER SENSITIVITY AND POWER OUTPUT IS DESIRED.

RATINGS

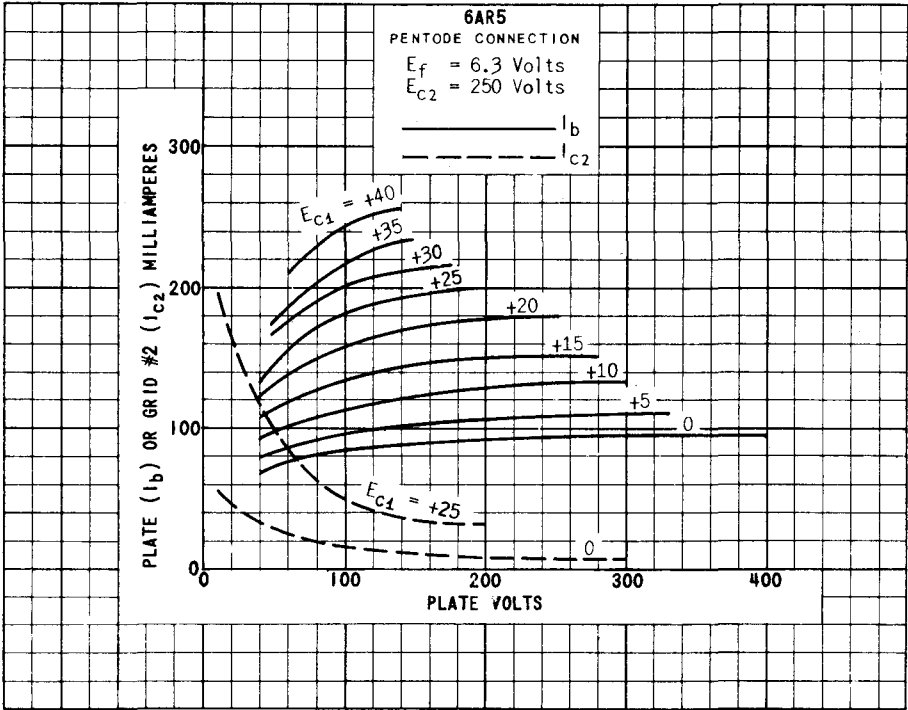
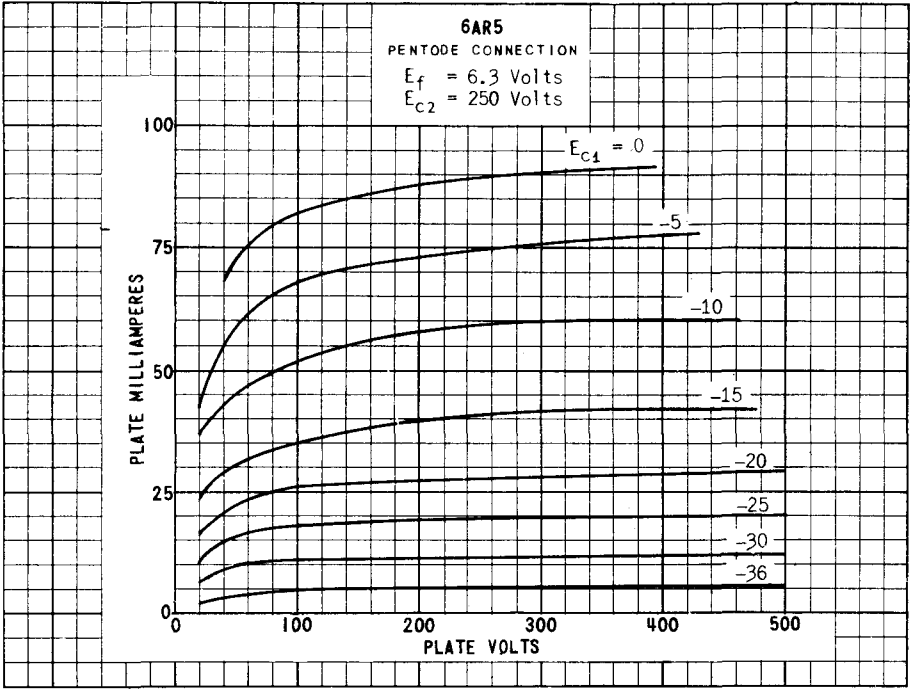
INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM GRID #2 VOLTAGE	250	VOLTS
MAXIMUM PLATE DISSIPATION	8.5	WATTS
MAXIMUM GRID #2 DISSIPATION	2.5	WATTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS)	0.1	MEGOHM
MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS)	0.5	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	400	400	MA.
PLATE VOLTAGE	250	250	VOLTS
GRID #2 VOLTAGE	250	250	VOLTS
GRID #1 VOLTAGE	-16.5	-18	VOLTS
PEAK AF GRID #1 VOLTAGE	16.5	18	VOLTS
PLATE RESISTANCE (APPROX.)	65 000	68 000	OHMS
TRANSCONDUCTANCE	2 400	2 300	μMHOS
ZERO-SIGNAL PLATE CURRENT	34	32	MA.
ZERO-SIGNAL GRID #2 CURRENT (NOMINAL)	5.7	5.5	MA.
MAXIMUM SIGNAL PLATE CURRENT	35	33	MA.
MAXIMUM SIGNAL GRID #2 CURRENT (NOMINAL)	10	10	MA.
LOAD RESISTANCE	7 000	7 600	OHMS
TOTAL HARMONIC DISTORTION	7	11	PERCENT
POWER OUTPUT	3.2	3.4	WATTS



6AR5

6AR5
TRIODE CONNECTION
 $E_f = 6.3$ Volts

