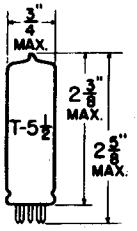
TUNG-SOL

BEAM PENTODE

MINIATURE TYPE

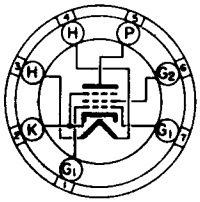


GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 450 MA.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE

THE 6AQ5 IS A BEAM POWER AMPLIFIER USING THE MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN AC AND STORAGE BATTERY OPERATED RECEIVERS WHERE HIGH POWER SENSITIVITY AND HIGH POWER OUTPUT IS DESIRED.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	450	MA.
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM SCREEN VOLTAGE	250	VOLTS
MAXIMUM PLATE DISSIPATION	12	WATTS
MAXIMUM SCREEN DISSIPATION	2	WATTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

	WITH EXTERNAL SHIELD CONNECTED TO CATHODE	WITH NO EXTERNAL SHIELD	
GRID TO PLATE	0.17	0.35	μμf
INPUT	8	7.6	μμf
OUTPUT	11	6	μμf

CONTINUED ON FOLLOWING PAGE

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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

AF POWER AMPLIFIER - CLASS A_1

PLATE VOLTAGE	180	250	VOLTS
SCREEN VOLTAGE	180	250	VOLTS
CONTROL GRID VOLTAGE	-8.5	-12.5	VOLTS
PEAK AF GRID VOLTAGE	8.5	12.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	29	45	MA.
ZERO-SIGNAL SCREEN CURRENT (APPROX.)	3	4.5	MA.
MAXIMUM-SIGNAL PLATE CURRENT	30	47	MA.
MAXIMUM-SIGNAL SCREEN CURRENT (APPROX.)	4	7	MA.
GRID CIRCUIT RESISTANCE (MAX.):			
FOR FIXED BIAS	0.1	0.1	MEGOHM
FOR CATHODE BIAS	0.5	0.5	MEGOHM
LOAD RESISTANCE	5 500	5 000	OHMS
PLATE RESISTANCE	58 000	52 000	OHMS
TRANSCONDUCTANCE	3 700	4 100	µMHOS
MAXIMUM-SIGNAL POWER OUTPUT	2	4.5	WATTS
TOTAL HARMONIC DISTORTION	8	8	PERCENT

AF POWER AMPLIFIER - CLASS AB_1
TWO TUBES

PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE	250	VOLTS
CONTROL GRID VOLTAGE	-15	VOLTS
PEAK AF GRID TO GRID VOLTAGE	30	VOLTS
ZERO-SIGNAL PLATE CURRENT	70	MA.
ZERO-SIGNAL SCREEN CURRENT	5	MA.
MAXIMUM-SIGNAL PLATE CURRENT	79	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	13	MA.
GRID CIRCUIT RESISTANCE (MAX.):		
FOR FIXED BIAS	0.1	MEGOHM
FOR CATHODE BIAS	0.5	MEGOHM
EFFECTIVE LOAD RESISTANCE - PLATE TO PLATE	10 000	OHMS
PLATE RESISTANCE - PER TUBE (APPROX.)	60 000	OHMS
TRANSCONDUCTANCE - PER TUBE	3 750	µMHOS
MAXIMUM-SIGNAL POWER OUTPUT	10	WATTS
TOTAL HARMONIC DISTORTION	5	PERCENT

SIMILIAR TYPE REFERENCE: *Characteristics identical to 6V6, 6V6G, 6V6GT within its ratings.*

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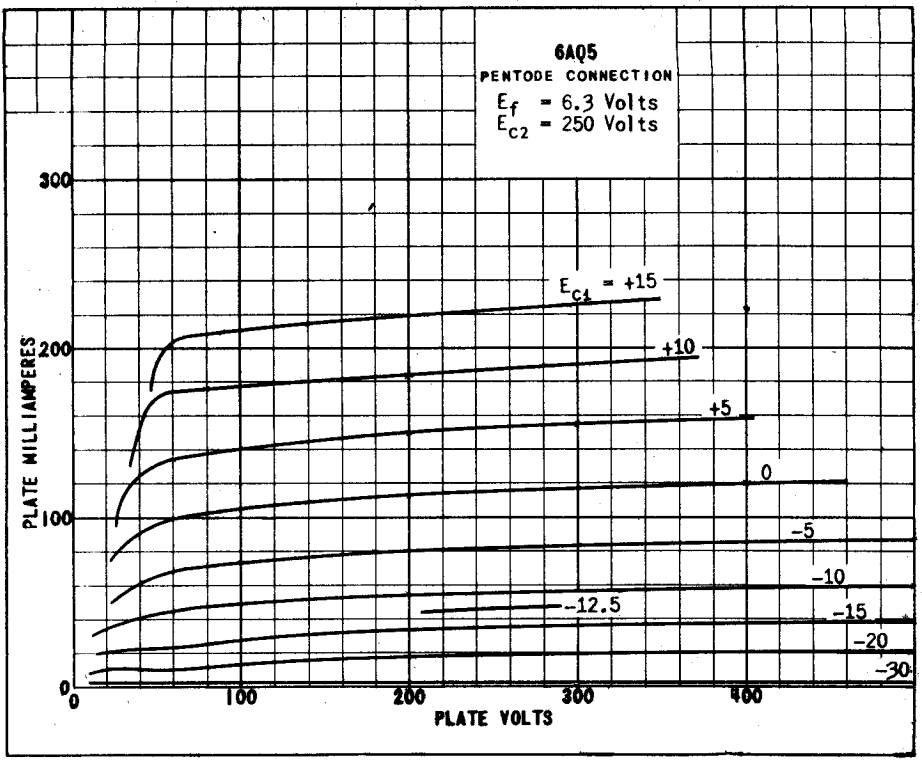
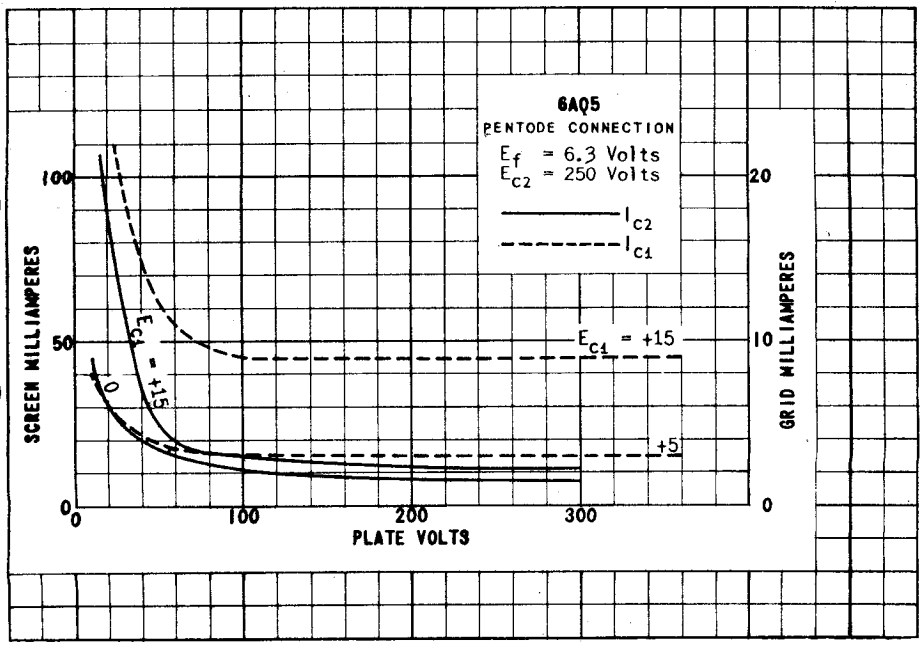
→ INDICATES A CHANGE OR ADDITION





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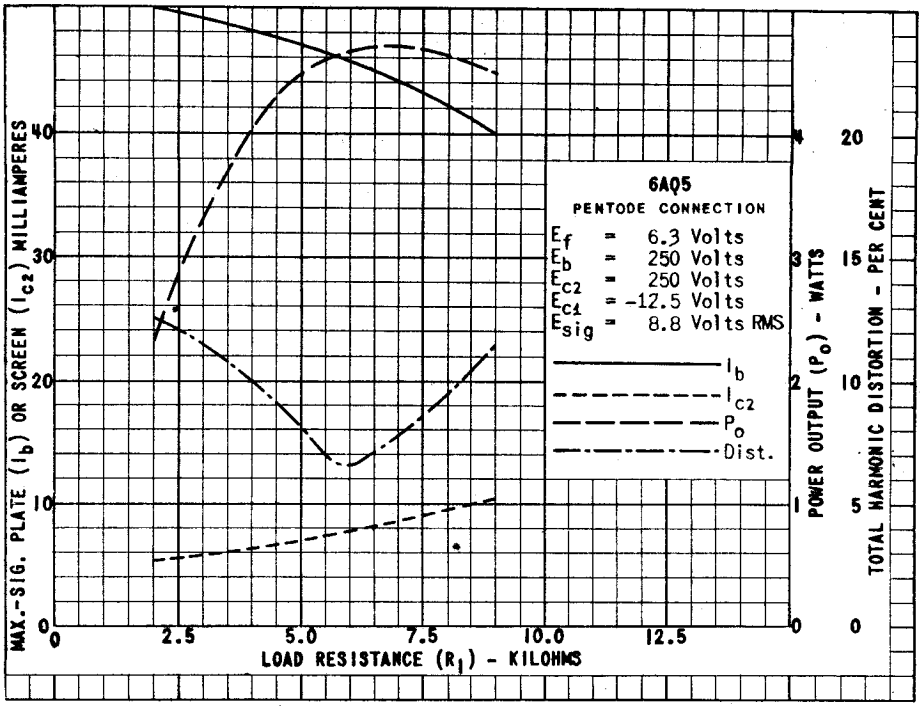
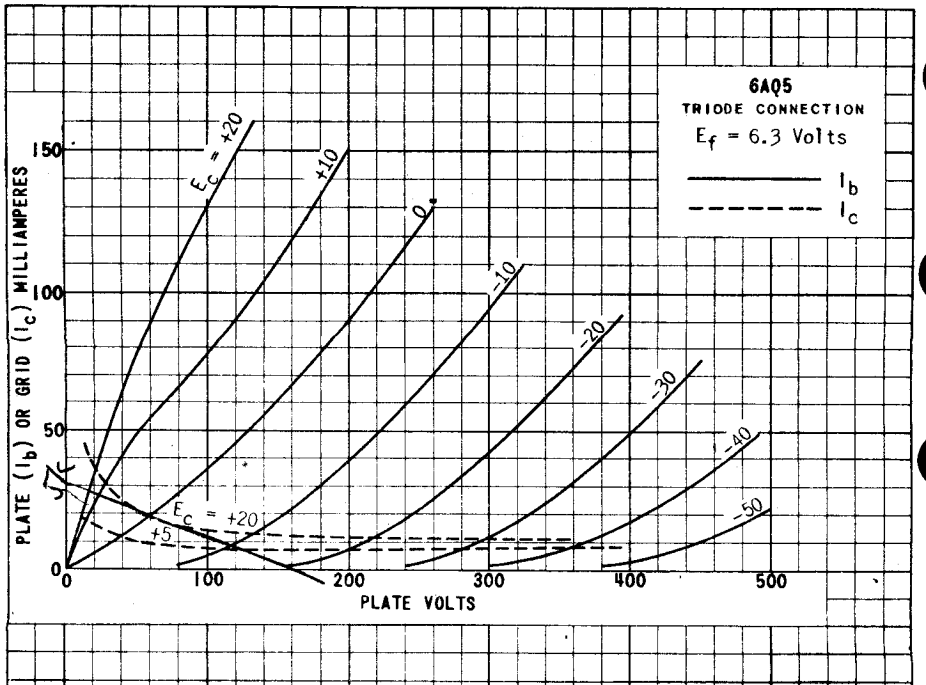
6AQ5





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