

TUNG-SOL

PENTODE

MINIATURE TYPE

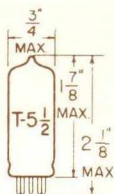
COATED UNIPOTENTIAL CATHODE

HEATER

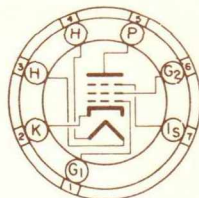
6.3 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

7CM

THE 6BH6 IS A SHARP CUT-OFF PENTODE VOLTAGE AMPLIFIER IN THE MINIATURE CONSTRUCTION. IT FEATURES HIGH TRANSCONDUCTANCE, LOW CAPACITANCES, AND ECONOMY OF HEATER POWER AND IS USEFUL AS A GENERAL PURPOSE AMPLIFIER AT BOTH LOW AND HIGH FREQUENCIES.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD ^A	WITHOUT SHIELD	
GRID TO PLATE: (G TO P) MAX.	0.0035	0.0035	μf
INPUT: G ₁ TO (H+K+G ₂ +G ₃ +1S)	5.4	5.4	μf
OUTPUT: P TO (H+K+G ₂ +G ₃ +1S)	4.4	4.4	μf

^A EXTERNAL SHIELD #316 CONNECTED TO PINS #2 AND #7.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	150	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	300	VOLTS
MAXIMUM NEGATIVE DC GRID #1 VOLTAGE	50	VOLTS
MAXIMUM POSITIVE DC GRID #1 VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	3	WATTS
MAXIMUM GRID #2 DISSIPATION	0.5	WATTS

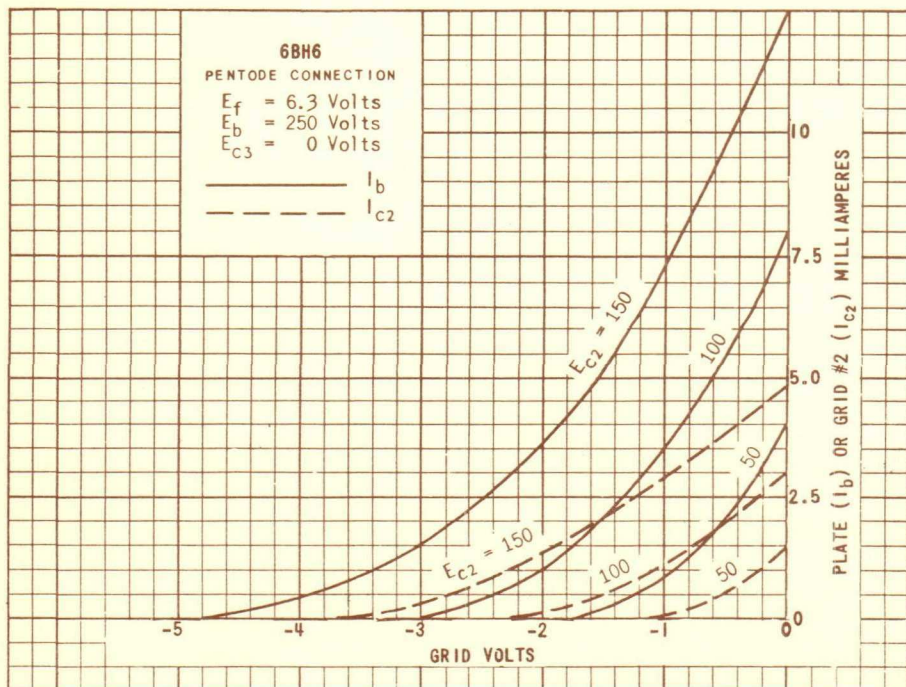
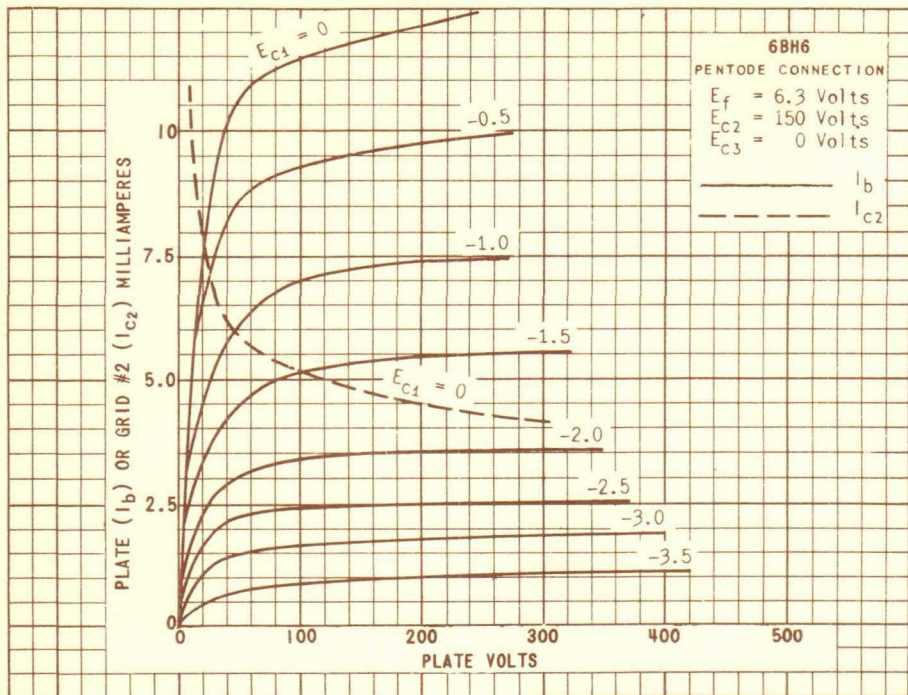
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	150	150	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE	PIN #7 CONNECTED TO PIN #2 AT SOCKET		
GRID #2 VOLTAGE	100	150	VOLTS
GRID #1 VOLTAGE	-1	-1	VOLT
PLATE RESISTANCE (APPROX.)	0.7	1.4	MEG OHMS
TRANSCONDUCTANCE	3 400	4 600	μMHOS
PLATE CURRENT	3.6	7.4	MA.
GRID #2 CURRENT	1.4	2.9	MA.
GRID #1 VOLTAGE FOR $I_b = 10 \mu\text{A}$.	-5	-7.7	VOLTS

→ INDICATES A CHANGE OR ADDITION.

6BH6



6BH6
 PENTODE CONNECTION
 $E_f = 6.3$ Volts
 $E_b = 250$ Volts
 $E_{c3} = 0$ Volts

