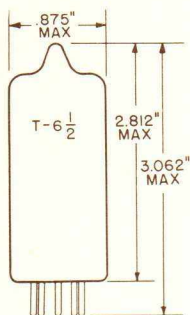


TUNG-SOL

POWER PENTODE

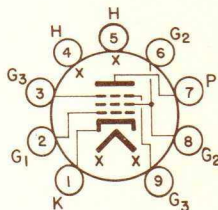
MINIATURE TYPE



GLASS BULB

MINIATURE
9 PIN BASE E 9-1
OUTLINE DRAWING
JEDEC 6-4

POWER PENTODE
FOR VERTICAL DEFLECTION
AND VIDEO AMPLIFIER
SERVICE



BOTTOM VIEW

BASING DIAGRAM

JEDEC 9NW ←

THE 6HB6 IS A POWER PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS A VERTICAL DEFLECTION AMPLIFIER FOR TELEVISION RECEIVERS WITH WIDE ANGLE PICTURE TUBES.

DIRECT INTERELECTRODE CAPACITANCES

GRID #1 TO PLATE (G1 TO P)	0.18	pf
INPUT G1 TO (H+K+G2+ G3)	13	pf
OUTPUT P TO (H+K+G2+ G3)	8	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	760	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		6.3±0.6	VOLTS
MAX. PEAK HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE TO CATHODE		200	VOLTS
HEATER POSITIVE TO CATHODE		200 ^A	VOLTS
^A THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.			

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	350	VOLTS
PLATE PULSE (POSITIVE) VOLTAGE	2500	VOLTS
GRID #2 VOLTAGE	300	VOLTS
NEGATIVE GRID #1 VOLTAGE	-100	VOLTS
PLATE DISSIPATION	10	WATTS
GRID #2 DISSIPATION	2	WATTS
GRID #1 CIRCUIT RESISTANCE		
FIXED BIAS	1.0	MEGOHM
SELF BIAS	2.2	MEGOHM

→ INDICATES A CHANGE.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

AVERAGE CHARACTERISTICS

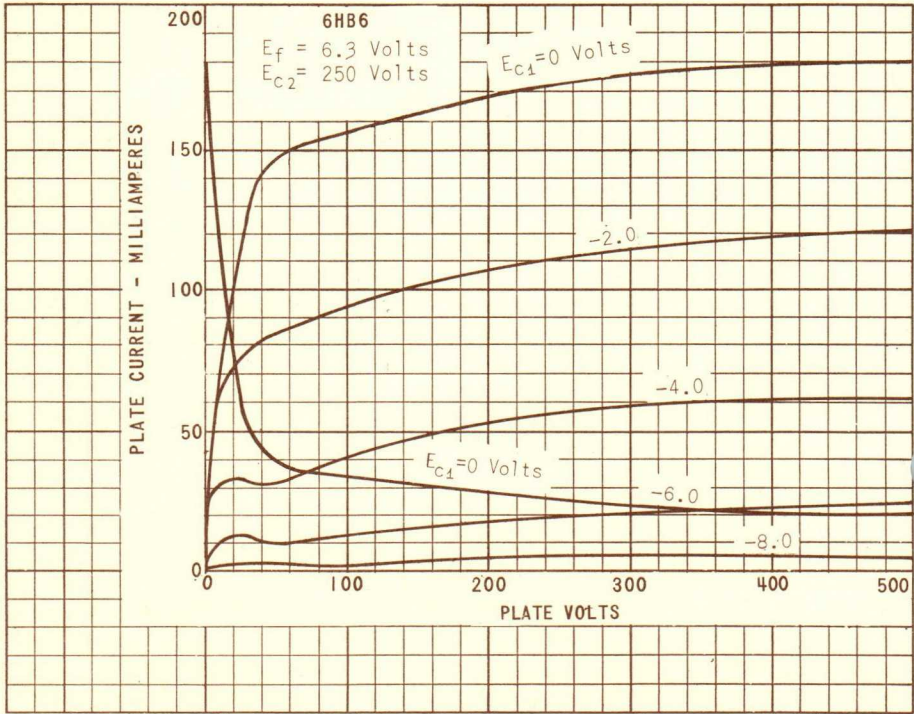
PLATE VOLTAGE	250	250	VOLTS
GRID #2 VOLTAGE	125	250	VOLTS
GRID #3 VOLTAGE	0	0	VOLTS
CATHODE RESISTOR	33	100	OHMS
PLATE CURRENT	40	40	MA.
GRID #2 CURRENT	4.2	6.2	MA.
MU-FACTOR: GRID #1 TO GRID #2		33	
TRANSCONDUCTANCE	24000	20000	μ MHOS
PLATE RESISTANCE	28	24	KOHMS
GRID #1 VOLTAGE			
FOR $I_b = 100 \mu A$ (APPROX.)	-6.4	-13	VOLTS

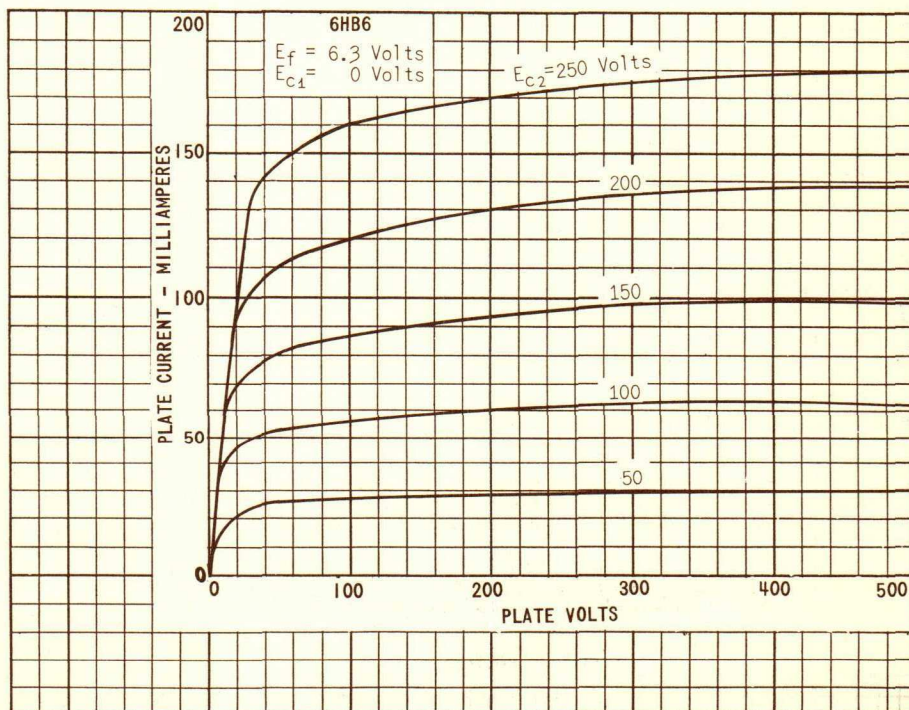
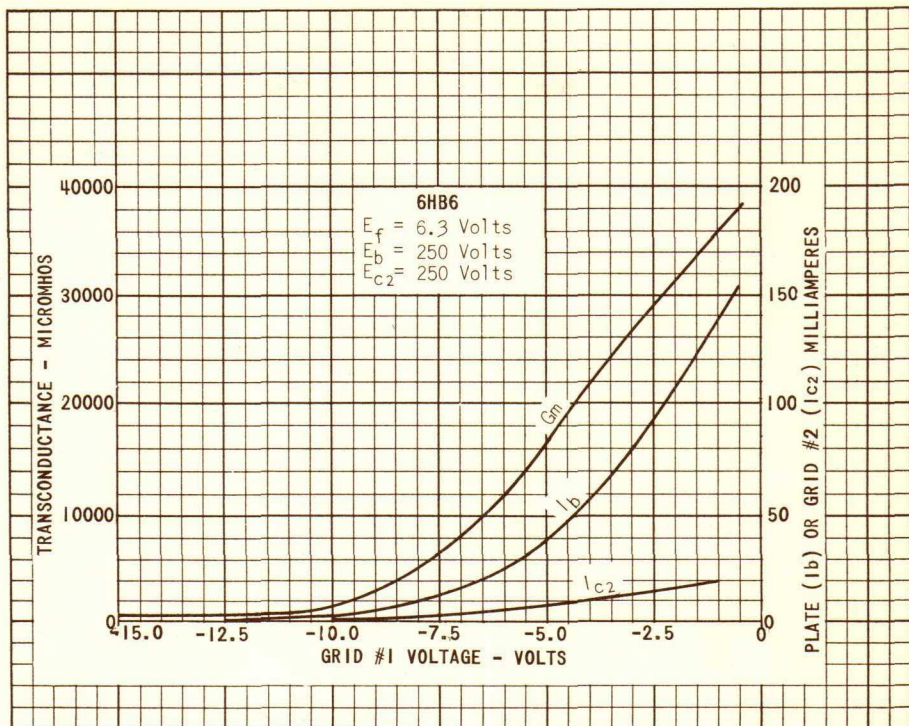
PLATE KNEE CHARACTERISTICS

INSTANTANEOUS READINGS

$E_b = 60 \text{ V.}$ $E_{c2} = 250 \text{ V.}$ $E_{c1} = 0 \text{ V.}$

PLATE CURRENT	150	MA.
GRID #2 CURRENT	37	MA.





6HB6

