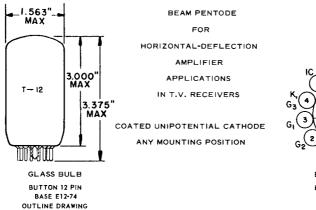
TUNG-SOL -

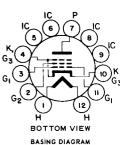
PENTODE

COMPACTRON



JEDEC 12-58

TOTAL DC AND PEAK



JEDE C 12 BJ

THE 6HB5 IS A BEAM PENTODE IN THE T-12 COMPACTRON CONSTRUCTION. IT IS DESIGNED SPECIFICALLY FOR USE AS THE HORIZONTAL-DEFLECTION AMPLIFIER IN T.V. RECEIVERS. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 6HB5 IS IDENTICAL TO THE 21HB5.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID 1 TO PLATE: (G1 TO P)	0.4	pf
INPUT: G1 TO (H + K + G2 + G3)	22	pf
OUTPUT: P TO (H + K + G3 + G3)	9.0	pf

HEATER CHARACTERISTICS AND RATINGS DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6,3 VOLTS	1.5	AMPS
LIMITS OF APPLIED VOLTAGE	6.3 ± 0.6		VOLTS
HEATER - CATHODE VOLTAGE			
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC COMPONENT		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE			

CONTINUED ON FOLLOWING PAGE

200

VOLTS

---- TUNG-SOL ----

CONTINUED ON PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

HORIZONTAL-DEFLECTION AMPLIFIER SERVICE

DC PLATE-SUPPLY VOLTAGE (BOOST + DC POWER SUPPLY)	770	VOLTS
PEAK POSITIVE PULSE PLATE VOLTAGE	6,000	VOLTS
PEAK NEGATIVE PULSE PLATE VOLTAGE	1,500	VOLTS
GRID 2 VOLTAGE	220	VOLTS
NEGATIVE DC GRID I VOLTAGE	55	VOLTS
PEAK NEGATIVE GRID 1 VOLTAGE	330	VOLTS
PLATE DISSIPATION A	18	WATTS
GRID 2 DISSIPATION	3.5	WATTS
DC CATHODE CURRENT	230	MA.
PEAK CATHODE CURRENT	800	MA.
GRID 1 CIRCUIT RESISTANCE	1.0	MEGOHMS
BULB TEMPERATURE AT HOTTEST POINT	220	° C

A- IN STAGES OPERATING WITH GRID-LEAK BIAS, AN ADEQUATE CATHODE-BIAS RESISTOR OR OTHER SUITABLE MEANS IS REQUIRED TO PROTECT THE TUBE IN THE ABSENCE OF EXCITATION.

CHARACTERISTICS AND TYPICAL OPERATION

PLATE VOLTAGE	5,000	60	130	VOLTS
GRID 2 VOLTAGE	130	130	130	VOLTS
GRID 1 VOLTAGE	•	0 B	-20	VOLTS
PLATE CURRENT	-	410	50	MA.
GRID 2 CURRENT	-	24	1.75	MA.
TRANSCONDUCTANCE	-	•	9,100	μ MHOS
PLATE RESISTANCE	-	- Approx	.11,000	OHMS
GRID 1 VOLTAGEFOR 1 = 1.0 MA.				
-APPROX.	-6 66	•	- 33	VOLTS.
TRIODE AMPLIFICATION FACTOR C	-	-	4.7	

- B- APPLIED FOR SHORT INTERVAL (2 SECONDS) SO AS NOT TO DAMAGE TUBE.
- C- TRIODE CONNECTION (GRID 2 TIED TO PLATE) WITH $E_b = E_{c2} = 130$ VOLTS AND $E_{c1} = -20$ VOLTS.