

TUNG-SOL

TRIODE

MINIATURE TYPE

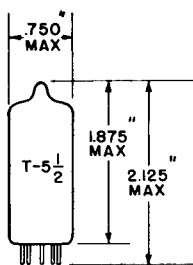
COATED UNIPOTENTIAL CATHODE

HEATER

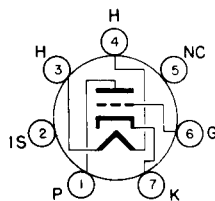
6.3 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION

IT IS RECOMMENDED THAT PIN #2
BE GROUNDING.

GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 5-2



BOTTOM VIEW
BASING DIAGRAM
JEDEC 5CE

THE 6AB4 IS A TRIODE USING THE MINIATURE CONSTRUCTION. ITS LOW CAPACITANCE AND HIGH RATIO OF PLATE CURRENT TO TRANSCONDUCTANCE ADAPT IT TO USE AS A HIGH FREQUENCY OSCILLATOR AND MIXER AT FREQUENCIES BELOW APPROXIMATELY 300 MC OR AS A GROUNDING GRID RADIO FREQUENCY AMPLIFIER.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD #316	WITHOUT SHIELD	
GRID TO PLATE: (G TO P)	1.5	1.5	pf
INPUT: G TO (H+K)	2.2	2.2	pf
OUTPUT: P TO (H+K)	1.4	0.5	pf
HEATER TO CATHODE: (H+K)	2.9	2.9	pf
GROUNDING GRID			
PLATE TO CATHODE: (P TO K)	0.2	0.24	pf
INPUT: K TO (H+G)	5.2	5	pf
OUTPUT: P TO (H+G)	2.6	1.7	pf

RATINGS

INTERPRETTED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM NEGATIVE DC GRID VOLTAGE	-50	VOLTS
MAXIMUM PLATE DISSIPATION	2.5	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
CATHODE RESISTOR	270	200	OHMS
PLATE CURRENT	3.7	10	MA.
PLATE RESISTANCE	15 000	10 900	OHMS
TRANSCONDUCTANCE	4 000	5 500	μMHOS
AMPLIFICATION FACTOR	60	60	
GRID VOLTAGE (APPROX.) FOR I _b = 10 μA.	-5	-12	VOLTS

SIMILAR TYPE REFERENCE: Somewhat similar to each unit of type 12AT7.

→ INDICATES A CHANGE.

6AB4

