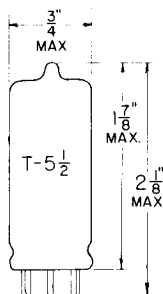


TUNG-SOL

PENTODE
MINIATURE TYPE

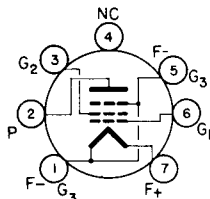
GLASS BULB

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

FILAMENT

1.25±0.19 VOLTS 0.1 AMP.

ANY MOUNTING POSITION



BOTTOM VIEW

BASING DIAGRAM
JEDEC 6AR

THE IAE4 IS A FILAMENT TYPE SHARP CUT-OFF PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR RF APPLICATIONS IN PORTABLE EQUIPMENT.

DIRECT INTERELECTRODE CAPACITANCES
WITH EXTERNAL SHIELD #313

GRID #1 TO PLATE (MAX.)	0.008	pf
INPUT	3.6	pf
OUTPUT	4.4	pf

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

FILAMENT VOLTAGE (DC)	1.25±0.19	VOLTS
MAXIMUM PLATE VOLTAGE	90	VOLTS
MAXIMUM GRID #2 VOLTAGE	90	VOLTS
MAXIMUM GRID #1 VOLTAGE		
NEGATIVE-BIAS VALUE	50	VOLTS
POSITIVE-BIAS VALUE	0	VOLTS
MAXIMUM TOTAL CATHODE CURRENT	11	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	90	VOLTS
GRID #2 VOLTAGE	90	VOLTS
GRID #1 VOLTAGE	0	VOLTS
PLATE RESISTANCE	0.5	MEG OHM
TRANSCONDUCTANCE	1550	μMHOS
PLATE CURRENT	3.5	MA.
GRID #2 CURRENT	1.2	MA.
GRID #1 VOLTAGE (APPROX. FOR I _b = 50 μA)	-5	VOLTS