PENTODE
MINIATURE TYPE

FILAMENT
1.25±0.19 VOLTS 0.1 AMP.

ANY MOUNTING POSITION

GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 3-2

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 [713]

GRID #1 TO PLATE (MAX.) 0.008 pf
INPUT 3.5 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 50 VOLTS
NEGATIVE-BIAS VALUE 0 VOLTS
POSITIVE-BIAS VALUE 11 MA.
MAXIMUM TOTAL CATHODE CURRENT

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 MEGOHM
TRANSCONDUCTANCE 1550 ΜMHS
PLATE CURRENT 3.5 MA.
GRID #2 CURRENT 1.2 MA.
GRID #1 VOLTAGE (APPROX. FOR ID = 50 μA) −5 VOLTS