The 1AE4 is a filament type sharp cut-off pentode of miniature construction designed for RF applications in portable equipment.

MECHANICAL DATA

ENVELOPE: T-5½ Glass
BASE: Miniature Button 7-Pin
TERMINAL CONNECTIONS:
- Pin 1 Negative Filament and Grid #3
- Pin 2 Plate
- Pin 3 Grid #2
- Pin 4 No Connection
- Pin 5 Negative Filament, Grid #3
- Pin 6 Grid #1
- Pin 7 Positive Filament
MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (\(\mu\text{fd}\)) *
- Grid #1 to Plate
- Input
- Output

0.008 max.
3.6
4.4

DESIGN CENTER MAXIMUM RATINGS:
- Filament Voltage (dc)
- Plate Voltage
- Grid #2 Voltage
- Grid #1 Voltage
- Negative-Bias Value
- Positive-Bias Value
- Total Cathode Current

1.25±15% volts
90 volts
90 volts
50 volts
0 volts
11 ma.

CHARACTERISTICS AND TYPICAL OPERATION—CLASS A1 AMPLIFIER:
- Filament Voltage (dc)
- Filament Current
- Plate Voltage
- Grid #2 Voltage
- Grid #1 Voltage
- Plate Resistance
- Transconductance
- Plate Current
- Grid #2 Current
- Grid #1 Voltage (approx. for Ib=50 \mu a.)

1.25±15% volts
0.1 amps.
90 volts
90 volts
90 volts
0.5 meg.
1550 \mu mhos
3.5 ma.
1.2 ma.
-5 volts

* With external Shield $316.