DESCRIPTION
The IAE4 is a filament type sharp cut-off pentode of miniature construction designed for RF applications in portable equipment.

MECHANICAL DATA
ENVELOPE: 7-5 1/2 Glass
BASE: Miniature Button 7-Pin
TERMINAL CONNECTIONS: (JEDEC Designation 64A)
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: (uufds) *
Grid #1 to Plate 0.008 max.
Input 3.6
Output 4.4
DESIGN CENTER MAXIMUM RATINGS:
Filament Voltage (dc) 1.25 ± 0.15 volts
Plate Voltage 90 volts
Grid #2 Voltage 90 volts
Grid #1 Voltage
Negative-Bias Value 50 volts
Positive-Bias Value 0 volts
Total Cathode Current 11 ma.
CHARACTERISTICS AND TYPICAL OPERATION - CLASS AI AMPLIFIER:
Filament Voltage (dc) 1.25 ± 0.15 volts
Filament Current 0.1 amps.
Plate Voltage 90 volts
Grid #2 Voltage 90 volts
Grid #1 Voltage 0 volts
Plate Resistance 0.5 meg.
Transconductance 1550 unhos.
Plate Current 3.5 ma.
Grid #2 Current 1.2 ma.
Grid #1 Voltage (approx. for 1b = 50ua.) -5 volts.

* With external Shield #313.