



TYPE 1AG4

Excellence in Electronics

The 1AG4 is a filament type power pentode of subminiature construction designed for use in the output stage in battery operated receivers. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline sub-miniature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATA

ENVELOPE: T-2 X 3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.048" center-to-center)

TERMINAL CONNECTIONS: (Red Dot is adjacent to Lead 1)

Lead 1 Plate	Lead 4 Grid #1
Lead 2 Grid #2	Lead 5 Filament, Negative;
Lead 3 Filament, Positive;	Grid #3 ●
Grid #3 ●	

MOUNTING POSITION: Any

ELECTRICAL DATA

DESIGN CENTER MAXIMUM RATINGS:

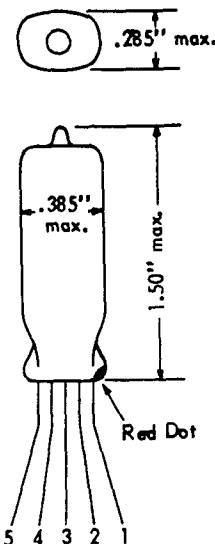
Filament Voltage (dc)
Plate Voltage
Grid #2 Voltage
Cathode Current (Zero Signal)

1.25 volts
90 volts
90 volts
4 ma.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)
Filament Current
Plate Voltage
Grid #2 Voltage
Grid #1 Voltage
Peak AF Grid #1 Voltage
Plate Resistance
Transconductance
Zero-Signal Plate Current
Zero-Signal Grid #2 Current
Load Resistance
Total Harmonic Distortion (approx.)
Power Output

1.25 volts
40 ma.
41.4 volts
41.4 volts
-3.6 volts
3.6 volts
.18 megohms
1000 μ mhos
2.4 ma.
0.6 ma.
12,000 ohms
12 percent
35 mw.



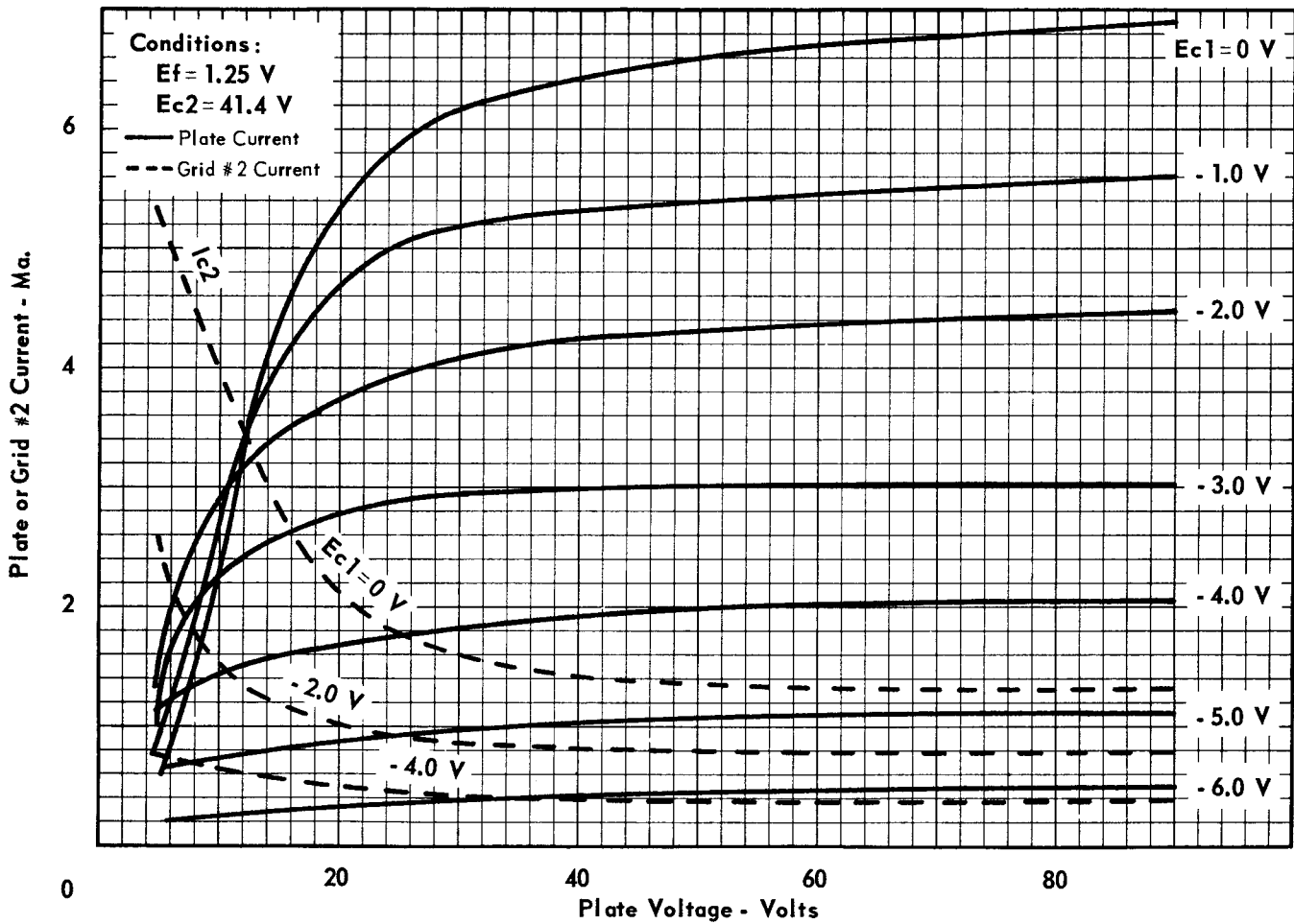
● Grid #3 is composed of two separate deflector plates, one of which is connected to Lead 3 and the other to Lead 5.

Tentative Data



SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS

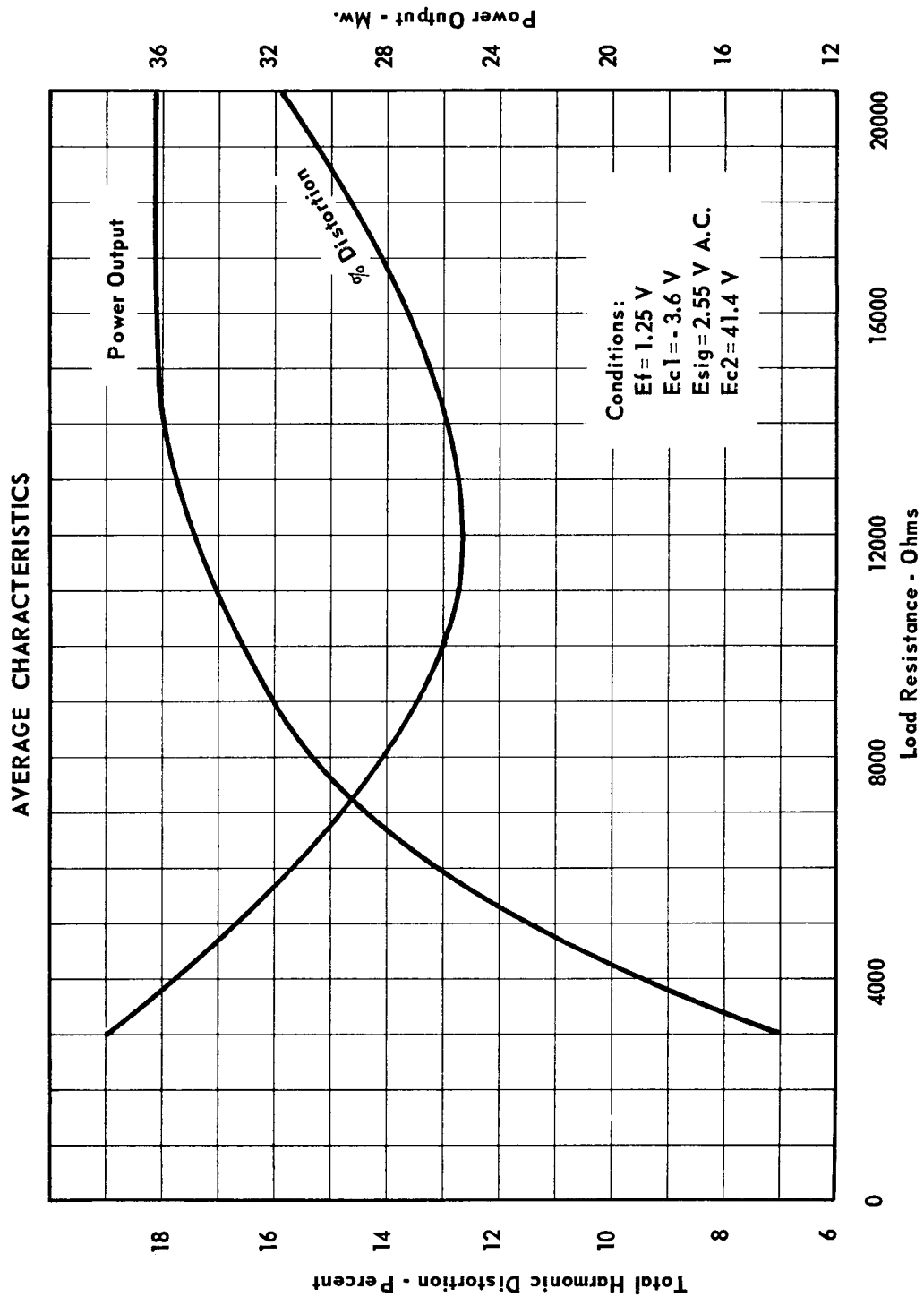


RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS



SUBMINIATURE PENTODE





SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS
(Triode Connected)

