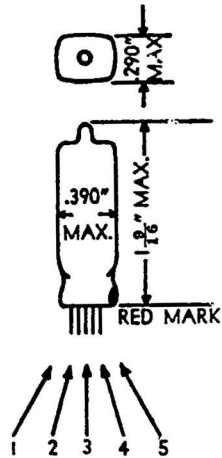




**PENTODE
SUB-MINIATURE POWER
AMPLIFIER**

COATED FILAMENT

The 2E36 is a pentode designed for use as a power amplifier in radio receivers and other portable equipment where small size, light weight and low battery drain are important. The 2E36 is designed for plug-in use with a socket.



T2x3 Glass Bulb

- 1—Filament Pos. and Suppressor
- 2—Grid #1
- 3—Filament Neg.
- 4—Grid #2
- 5—Plate

RATINGS

Filament Voltage	1.25	volts
Filament Current	30	ma
Maximum Plate Voltage	45	volts
Maximum Screen Voltage	45	volts
Maximum Cathode Current	1.0	ma

**DIRECT INTERELECTRODE
CAPACITANCES†**

Grid to Plate	0.2 max.	$\mu\mu\text{f}$
Input	2.7	$\mu\mu\text{f}$
Output	5.7	$\mu\mu\text{f}$

0.016" dia. pins. 0.05" center to center spacing. Pins identified by red mark over plate pin. Pin length 0.200".

**TYPICAL CLASS A₁ AMPLIFIER OPERATION
AND CHARACTERISTICS**

Plate Voltage	22.5	45	volts
Screen Voltage	22.5	45	volts
Control Grid Voltage	0*	-1.25	volts
Plate Current	0.27	0.45	ma
Screen Current	0.07	0.11	ma
Transconductance	385	500	μmhos
Plate Resistance	0.22	0.25	megohm
Load Resistance	0.15	0.10	megohm
Distortion	10	10	per cent
Power Output	1.2	6	mw

* Grid resistance = 5 megohms.

† With close fitting capacitance adapter shield connected to negative filament.

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RADIO RECEIVING TUBE DIVISION

NEWTON, MASS.