

TYPE 5910
Pentode

DESCRIPTION

The 5910 is a filament type sharp-cutoff pentode of miniature construction. It is designed for use in Radiconde applications as a blocking oscillator where high grid leakage resistance (in excess of 500 megohms) rather than low microphonism is of paramount importance.

MECHANICAL DATA

Envelope: T-5 1/2 Glass

Base: Miniature Button 7-Pin

Dimensions:

Maximum Overall Length	2 1/8 inches
Maximum Seated Height	1 7/8 inches
Maximum Diameter	3/4 inches

Terminal Connections: (JETEC Designation 6AR)

Pin 1 Filament-Neg., Grid #3, and Internal Connection	Pin 5 Filament-Neg., Grid #3 and Internal Shield
Pin 2 Plate	Pin 6 Grid #1
Pin 3 Grid #2	Pin 7 Filament, Pos.
Pin 4 No Connection	

Mounting Position: Any

ELECTRICAL DATA

Direct Interelectrode Capacitances: (unfds.) *

Grid #1 to Plate	.008 max.
Input	3.6
Output	7.5

Ratings:

Filament Voltage	2.0 volts (Abs. Max.)
Plate Voltage	90 volts
Grid #2 Voltage	90 volts
Total Cathode Current	6.5 ma.
External Grid Bias	0 volts

Characteristics and Typical Operation - Class A1:

Filament Voltage	1.4 volts
Filament Current	0.05 amps
Plate Voltage	90 volts
Grid #2 Voltage	90 volts
Grid #1 Voltage **	0 volts
Plate Resistance (Approx.)	1.5 megohms
Transconductance	900 umhos
Plate Current	1.6 ma.
Grid #2 Current	0.45 ma.
Grid #1 Voltage for Transconductance = 10 umhos	12.5 volts

N. E.

- With JETEC Shield #316 connected to Pin 2.
- ** Return to negative filament.

Tentative Data
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RADIO RECEIVING TUBE DIVISION

Page 2 of 2
CS-2630
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