

SUPER-CONTROL R-F AMPLIFIER PENTODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:		
Grid to Plate (with shield-can)		0.007 max. μ pf
Input		3.5 μ pf
Output		10 μ pf
Overall Length		4-9/32" to 4-17/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Small Metal
Base		Small 5-Pin
Pin 1-Heater		Pin 4-Cathode
Pin 2-Plate		Pin 5-Heater
Pin 3-Screen		Cap -Grid

BOTTOM VIEW AMPLIFIER - Class A

Operating Conditions and Characteristics:

Heater*	6.3	6.3	6.3	volts
Plate	90	180	250 max.	volts
Screen	90	90	90 max.	volts
Grid ^o	-3	-3	-3	min. volts
Amp. Fact. **	360	750	1050	
Plate Res.	0.375	0.75	1.0	megohm
Transcond.	960	1000	1050	μ mhos
Transcond. #	2	2	2	μ mhos
Plate Cur.	5.6	5.8	5.8	ma.
Screen Cur.	1.6	1.4	1.4	

* At -42.5 volts grid bias.

MIXER

In Superheterodyne Circuit

Operating Conditions with Variable Bias:

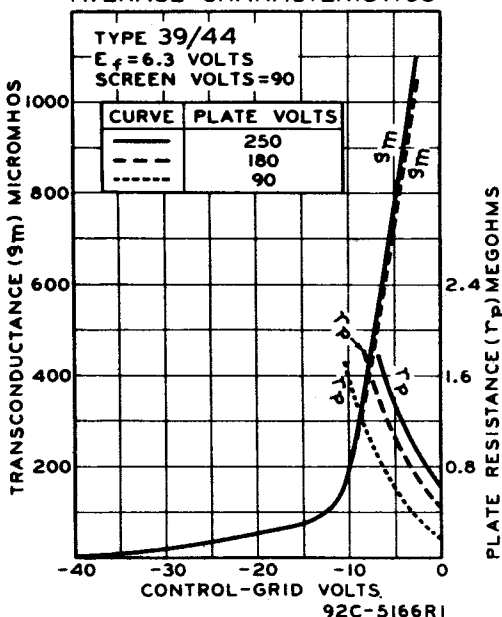
Heater*	6.3	6.3	6.3	volts
Plate	90	180	250 max.	volts
Screen	90	90	90	max. volts
Grid	-7	-7	-7	approx. volts

The grid bias shown is minimum for an oscillator peak voltage of 6.0 volts. These values are optimum.

* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

o The d-c resistance in the grid circuit should not exceed 3 megohms.

AVERAGE CHARACTERISTICS



39/44



RCA-39/44

AVERAGE PLATE CHARACTERISTICS

