



IL4

R-F AMPLIFIER PENTODE

MINIATURE TYPE

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.05	amp.
Direct Interelectrode Capacitances: ^o		
Grid to Plate	0.008 max.	μpf
Input	3.6	μpf
Output	7.5	μpf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Maximum Diameter		3/4"
Bulb		T-5-1/2
Base ▲		Miniature Button 7-Pin
Pin 1 - { Filament -		Pin 5 - { Filament -
{ Internal Shield		{ Internal Shield
Pin 2 - Plate		Pin 6 - Grid
Pin 3 - Screen		Pin 7 - Filament +
Pin 4 - No Connection		
RCA Socket		Stock No. 9914
Mounting Position		Any



BOTTOM VIEW (6AR)

*Maximum And Minimum Ratings Are Design-Center Values*AMPLIFIER

Plate Voltage	110 max. volts
Screen Voltage	90 max. volts
Screen Supply Voltage	110 max. volts
Grid Voltage	0 min. volts
Total Cathode Current	6.5 max. ma.

Typical Operation and Characteristics - Class A₁ Amplifier

Plate Voltage	90	90	volts
Screen Voltage	67.5	90	volts
Grid Voltage	0	0	volts
Plate Resistance	0.6	0.35	megohm
Transconductance	925	1025	μmhos
Grid Bias for			
Plate Current = 10 μamp.	-6	-8	volts
Plate Current	2.9	4.5	ma.
Screen Current	1.2	2.0	ma.

o With no external shield.

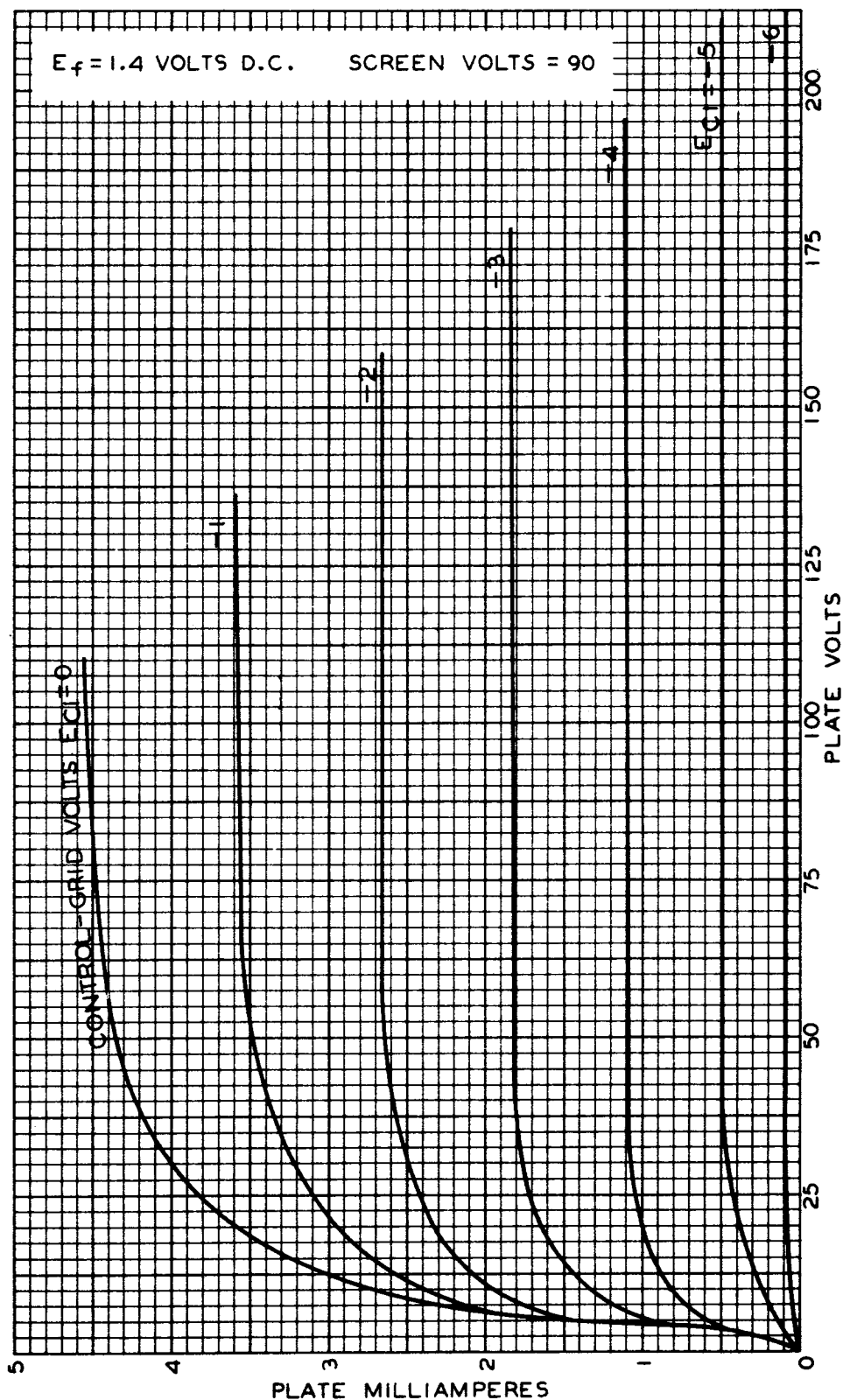
▲ The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

1L4



1L4

AVERAGE PLATE CHARACTERISTICS



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RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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