



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.	μf
Input	3.6	μf
Output	7.5	μf
Maximum Overall Length		2-1/8"
Maximum Seated Height		1-7/8"
Maximum Diameter		3/4"
Bulb		T-5-1/2
Base Δ		Miniature Button 7-Pin
Pin 1 { Filament - ,		
{ Internal Shield		
Pin 2 - Plate		Pin 5 { Filament - ,
Pin 3 - Screen		{ Internal Shield
Pin 4 - No Connection		Pin 6 - Grid
RCA Socket		Pin 7 - Filament +
Mounting Position		Stock No. 9914
		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 A_1 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 $\mu\text{amp.}$	-6	-8 volts
Plate Current	2.9	4.5 ma.
Screen Current	1.2	2.0 ma.

o With no external shield.

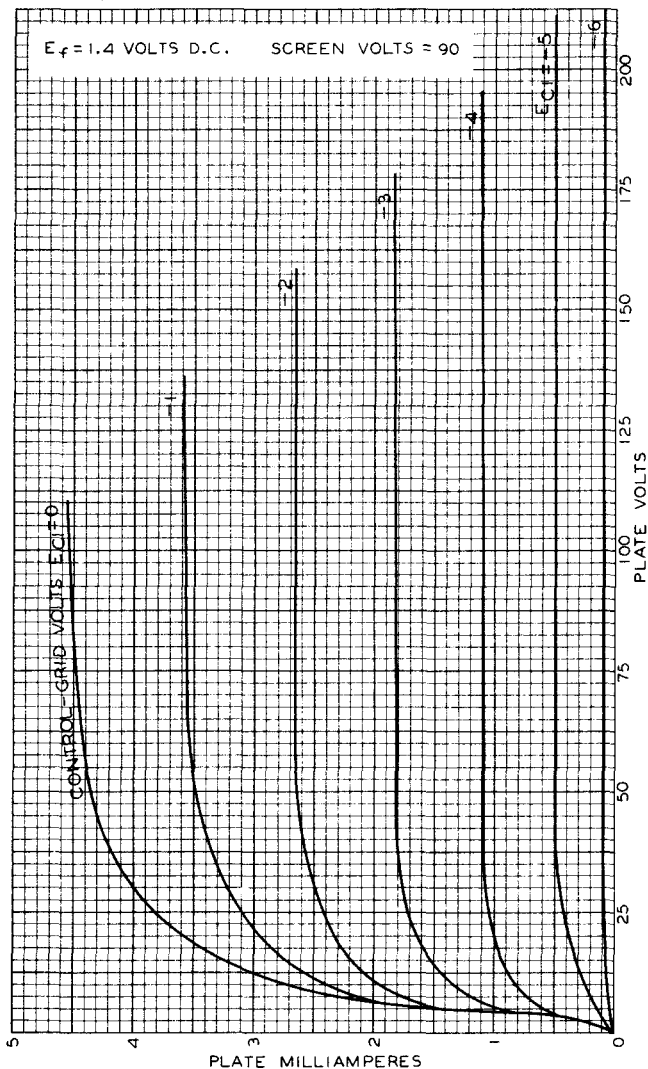
Δ The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

1L4



1L4

AVERAGE PLATE CHARACTERISTICS



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RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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