



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.	μ f
Input	3.6	μ f
Output	7.5	μ f
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 5 - { Filament -, 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	μ mos
Grid Bias for			
Plate Current = 10 μ amp.	-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.

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AVERAGE PLATE CHARACTERISTICS

