



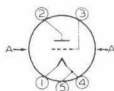
957

957

DETECTOR, AMPLIFIER, OSCILLATOR

ACORN TYPE

Filament	Coated	
Voltage	1.25	d-c volts
Current	0.05	amp.
Direct Interelectrode Capacitances: ^o		
Grid to Plate	1.2	μmf
Grid to Filament	0.3	μmf
Plate to Filament	0.7	μmf
Overall Length		1-7/32" $\pm$ 5/32"
Overall Diameter		1-3/32" $\pm$ 1/16"
Bulb }	See Outline in	T-4 $\frac{1}{2}$
Base }		
Pin 1 - Filament	GENERAL SECTION	{ Small Radial 5-Pin Pin 5 - Filament - AA' - Plane of Electrodes
Pin 2 - Plate		
Pin 3 - Grid		
Pin 4 - Filament -		
RCA Socket		Stock No. 9925
Mounting Position		Vertical ^o



Short Part of Bulb: Bottom
BOTTOM VIEW (5BD)

Maximum Ratings Are Design-Center Values

AMPLIFIER

D-C Plate Voltage	135 max.	volts
<i>Characteristics - Class A₁ Amplifier:</i>		
D-C Plate Voltage	135	volts
D-C Grid Voltage*	-5	volts
Amplification Factor	13.5	
Plate Resistance	20800 approx.	ohms
Transconductance	650	μmhos
D-C Plate Current	2	ma.

^o with no external shield.

^o Horizontal operation permitted if plane of electrodes is vertical (plate on edge).

* Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.1 megohm with fixed bias, or 0.5 megohm with cathode bias.

R-F grounding by means of condensers placed close to the tube pins is required if the full capabilities of the 957 for ultra-high-frequency uses are to be obtained.

← Indicates a change.

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RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA



AVERAGE PLATE CHARACTERISTICS

