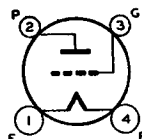


# RCA-00-A

## DETECTOR

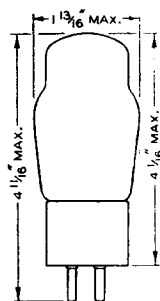
The 00-A is a three-electrode storage-battery tube of the gas-filled type for use as a sensitive grid-leak detector.



# RCA-01-A

## DETECTOR, AMPLIFIER

The 01-A is a three-electrode storage-battery tube for use as a detector and as an amplifier. Base connections are same as for the 00-A.



### CHARACTERISTICS

	00-A	01-A	
FILAMENT VOLTAGE (D. C.)	5.0	5.0	Volts
FILAMENT CURRENT	0.25	0.25	Ampere
PLATE VOLTAGE	45 max.	90 135 max.	Volts
GRID VOLTAGE	0	-4.5 -9	Volts
PLATE CURRENT	1.5	2.5 3.0	Milliamperes
PLATE RESISTANCE	30000	11000 10000	Ohms
AMPLIFICATION FACTOR	20	8 8	
TRANSCONDUCTANCE	666	725 800	Micromhos
GRID-PLATE CAPACITANCE	8.5	8.1	$\mu\mu\text{f}$
GRID-FILAMENT CAPACITANCE	3.2	3.1	$\mu\mu\text{f}$
PLATE-FILAMENT CAPACITANCE	2.0	2.2	$\mu\mu\text{f}$
BULB	S-14	ST-14	
BASE	Medium 4-Pin Bayonet	Medium 4-Pin Bayonet	

### INSTALLATION AND APPLICATION

The base pins of the 00-A and 01-A fit the standard four-contact socket which should be installed to hold the tube in a vertical position.

As a detector, the 01-A may be operated either with conventional grid leak and condenser or with grid bias. For grid-bias detection, plate voltages up to the maximum value of 135 volts may be used with the corresponding negative grid-bias voltage (13.5 volts approximately, at 135 volts).

*These two types are used principally for renewal purposes.*