



RCA-32

SCREEN GRID R-F AMPLIFIER

Filament Voltage	Coated		
Current	2.0		d-c volts
	0.060		amp.
Direct Interelectrode Capacitances:			
Grid to Plate (with shield-can)		0.015 max.	µuf
Input		5.3	µuf
Output		10.5	µuf
Overall Length	(2)	(3)	4-25/32" to 5-1/32"
Maximum Diameter			1-13/16"
Bulb			ST-14
Cap			Small Metal
Base			Medium 4-Pin
Pin 1-Filament +	(1)	(4)	Pin 4-Filament-
Pin 2-Plate			Cap
Pin 3-Screen			-Grid

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	2.0	2.0	volts
Plate	135	180 max.	volts
Screen	67.5	67.5	max. volts
Grid	-3	-3	volts
Amp. Fact.	610	780	
Plate Res.	0.95	1.2	megohms
Mut. Cond.	640	650	µmhos
Plate Cur.	1.7	1.7	ma.
Screen Cur.	0.4	0.4	max. ma.

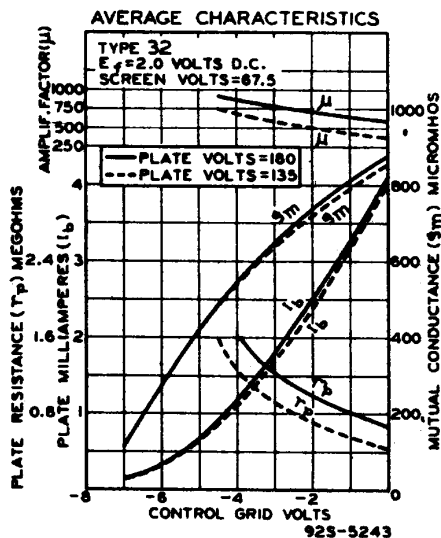
Grid-coupling resistor, if used, should not exceed 2.0 megohms.

DETECTOR

Typical Operation:

	Biased		Grid-Leak	
Filament	2.0	2.0	2.0	volts
Plate-Supply	135	180	135	volts
Screen	45	67.5 max.	Up to 45	volts
Grid	-4.5*	-6*	Return to (+) Fil.	volts
Plate Load	0.1*	0.1*	0.1*	megohm
Plate Cur.	Adjusted to 0.2 ma. with no input signal.		-	
Grid Leak	-	-	1-5	megohms
Grid Condenser	-	-	0.00025	µf

\* Or equivalent impedance. In designing circuits to use the 32 as a detector, it is desirable to work from the detector stage directly into the power output stage.  
 \* Approximate.

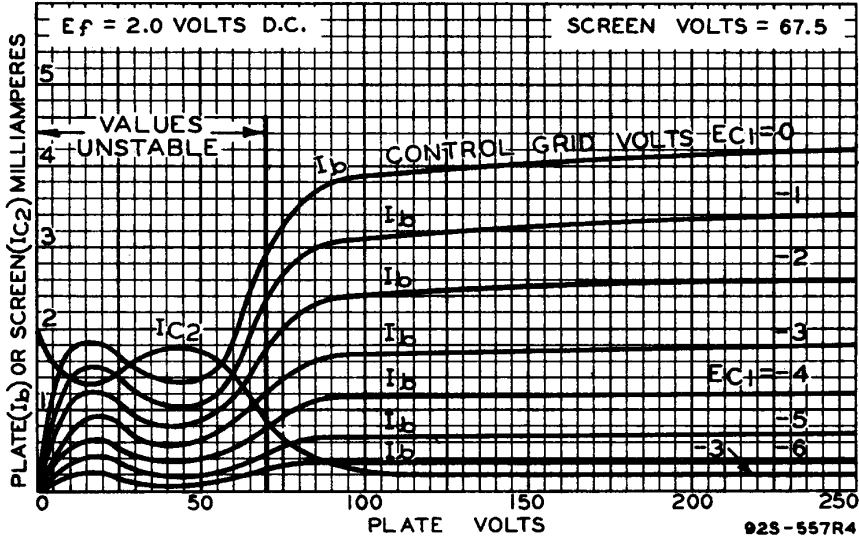


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RCA RADIOTRON DIVISION  
 RCA MANUFACTURING COMPANY, INC.

DATA

**AVERAGE PLATE CHARACTERISTICS**



**AVERAGE CHARACTERISTICS**

