

RCA-32

SCREEN GRID R-F AMPLIFIER

Filament	Coated		
Voltage	2.0		d-c volts
Current	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 -Grid
Pin 3-Screen			

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.

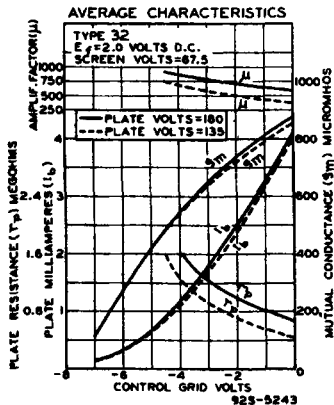
Grid-coupling resistor, if used, should not exceed 2.0 megohms.

DETECTOR

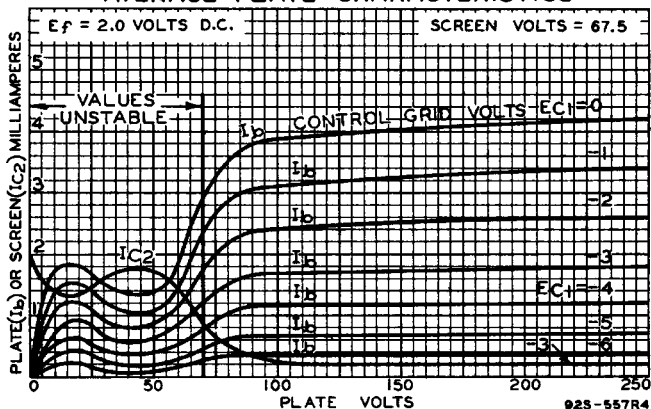
Typical Operation:	Biased	Grid-Leak	
Filament	2.0	2.0	volts
Plate-Supply	135	135	volts
Screen	45	67.5 max.	volts
Grid	-4.5*	-6*	volts
Plate Load	0.1*	0.1*	Return to (+) Fil. volts
Plate Cur.	Adjusted to 0.2 ma.	0.1*	megohm
Grid Leak	-	-	1-5 megohms
Grid Condenser	-	-	0.00025 μf

* 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.



AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

