

DETECTOR AMPLIFIER PENTODE ACORN TYPE

Filament	Coated		
Voltage	1.25	d-	-c volts
Current	0.05		amp.
Direct Interelectrode Capacitances:			
Grid to Plate ⁰	0.015 max.		μμf
Input	1.8		µµf
Output	2.5		цµf
Overall Length		1-11/16"	± 3/16"
Overall Diameter		1-3/32"	± 1/16"
Bulb]		٢	T-4±
End Terminals	See Outline in)	Two
1	GENERAL SECTION	10.11 0.11	
Base		Small Radia P − Pla	
Pin 1-Filament Pin 2-Grid No.2			
Pin 3-Grid No.3		$G_1 - Gri$	
Pin 4 - Filament -	Р	AA' - P) a	
Pin 5 - Filament -	9 1 9	El€	ectrodes
RCA Socket	A. Graf). A	Stock N	lo. 9925
RCA Grid & Plate Clips		Stock No. 9939	
Mounting Position	, XX	Vertica10	
	an Lang Bort of Builty		, crear
P is on Long Part of Bulb: Top G ₁ is on Short Part of Bulb: Bottom			
BOTTOM VIEW (5BE)			
Maximum Ratings are Design-Center Values			
AMPL I FIER			
D-C Plate Voltage		145 max.	volts
D-C Screen (Grid No.2) Voltage		67.5 max.	volts
Characteristics — Class A, Amplifier:			
D-C Plate Voltage	1	135	volts
1		-	

ma.

0.4

Suppressor (Grid No.3) Connected to filament(-) at socket D-C Screen Voltage 67.5 volts D-C Grid (No.1) Voltage # -3 volts Plate Resistance 0.8 approx. megohm Transconductance 600 umhos D-C Plate Current 1.7 ma.

O with shield baffle.

D-C Screen Current

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.

 $R\!-\!f$ prounding by means of condensers placed close to the tube terminals is required if the full capabilities of the 959 for ultra-high-frequency uses are to be obtained, it is important in the cases of the plate and control-grid circuits that separate r-f grounding returns be made to a common point in order to avoid r-f inter-action through common return circuits. It may also be advisable in some applications to supplement the action of the by-pass condensers by r-f chokes placed close to the condensers in the return or supply lead for the grid, the screen, the suppressor, the plate, and the filament.

Indicates a change.

939

AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION

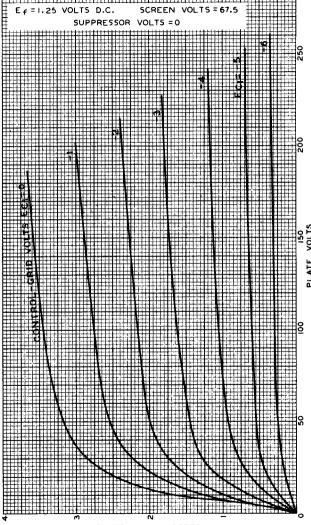


PLATE MILLIAMPERES