

DETECTOR, AMPLIFIER

Filament	V99-Thoriated Tungsten	X99-Coated
Voltage	3.0 - 3.3	d-c volts
Current	0.060 - 0.063	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	3.3	µpf
Grid to Filament	2.5	µpf
Plate to Filament	2.5	µpf
	<u>Type V99</u>	<u>Type X99</u>
Maximum Overall Length	3-1/2"	4"
Maximum Diameter	1-1/16"	1-3/16"
Bulb	T-8	T-8
Base	Small 4-Nub	Small 4-Pin

Type V99

Nub 1-Grid
Nub 2-Filament+
Nub 3-Plate
Nub 4-Filament-



Type X99

Pin 1-Filament+
Pin 2-Plate
Pin 3-Grid
Pin 4-Filament-



BOTTOM VIEWS

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	3.3	d-c volts
Plate	90 maximum	volts
Grid	-4.5	volts
Amp. Fact.	6.6	
Plate Res.	15500	ohms
Mut. Cond.	425	µmhos
Plate Cur.	2.5	ma.

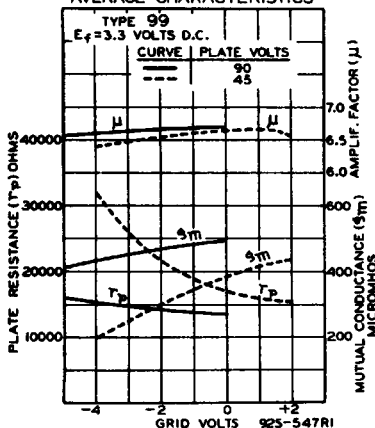
DETECTOR

Typical Operation:	<u>Biased</u>	<u>Grid-Leak</u>
Filament	3.3	3.3
Plate	90 max.	45
Grid	-10.5 approx.	Return to (+) Fil.
Plate Cur.	Adjusted to 0.2 ma. with no input signal	-
Grid Leak	-	0.25 to 5
Grid Condenser	-	0.00025

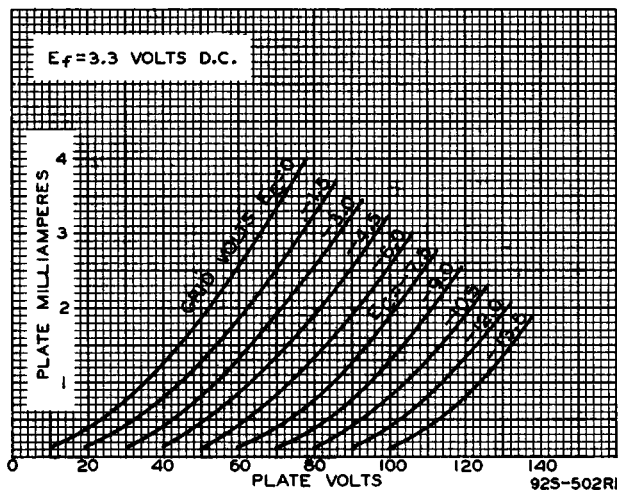
d-c volts
volts
volts

megohms
µf

AVERAGE CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

