

# —Standard Valves—

4264-A  
Valve

## 4264-A VALVE

TRIODE.

### SPECIFICATION.

#### Cathode.

Oxide coated filament.  
Constant current type.

#### Base.

American tapered small 4-pin.

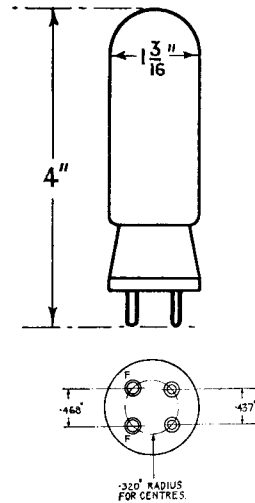
#### Dimensions.

Overall length 4" (10.2 cms.)  
Bulb diameter  $1\frac{3}{16}$ " (3.0 cms.)  
Net weight 0.07 lbs. (30 gms.)

#### Constants.

Filament current 0.3 amp.  
Nominal filament voltage 1.5 volts  
\*Impedance 12,900 ohms  
\*Amplification factor 7.0  
\*Mutual conductance 0.54 mA. per volt  
Grid-anode capacity 5.3  $\mu\mu\text{F}$ .  
Anode-filament capacity 2.2  $\mu\mu\text{F}$ .  
Grid-filament capacity 3.5  $\mu\mu\text{F}$ .

\* at anode current of 2.0 mA.



### LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage 100 volts  
Maximum direct anode current 2.8 mA.

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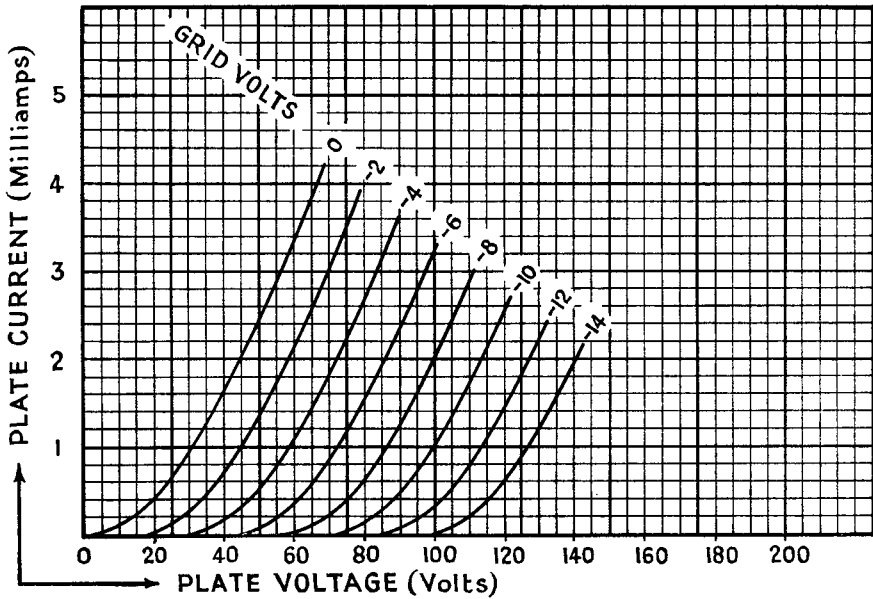
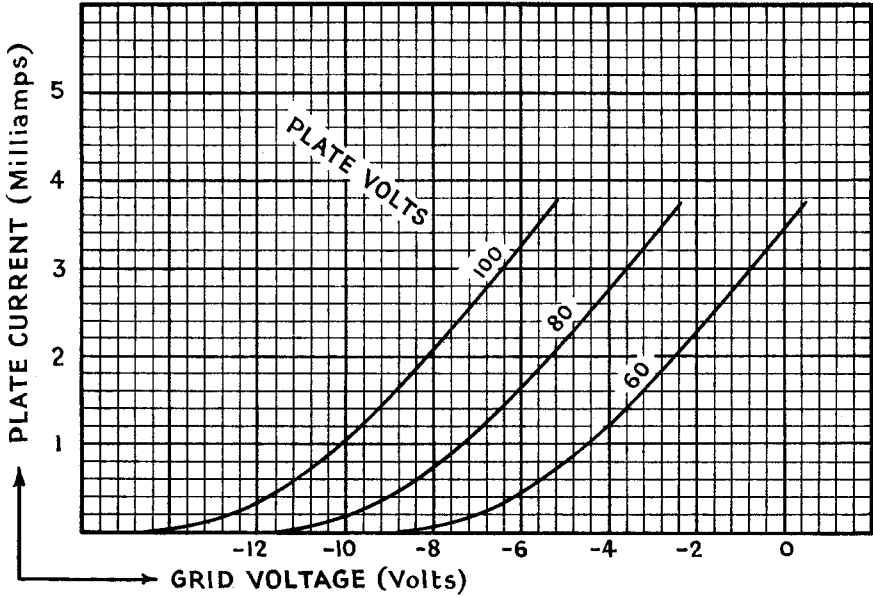
## TYPICAL OPERATING CONDITIONS.

Anode voltage	Grid bias	Anode current	Amplification factor	Anode resistance	Load resistance	Power output	Voltage output	Second harmonic
volts	volts	mA.		ohms	R	mW.	peak volts	db
60	—2.0	2.35	7.3	11,700	R = rp	2.4	—	38
					R = 2rp	2.1	—	44
					R = 5rp	—	12	51
90	—7.0	1.90	7.2	12,800	R = rp	25	—	24
					R = 2rp	23	—	31
					R = 5rp	—	41	39
100	—8.0	2.10	7.2	12,400	R = rp	33	—	24
					R = 2rp	30	—	31
					R = 5rp	—	48	39
90	—5.5	2.80	7.2	11,300	R = rp	18	—	30
					R = 2rp	16	—	36
					R = 5rp	—	33	44
100	—7.0	2.70	7.2	11,400	R = rp	28	—	28
					R = 2rp	25	—	34
					R = 5rp	—	42	42

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These curves are taken with direct filament heating, grid and anode voltages being referred to the negative end of the filament.



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