

—Standard Valves—

4264-A
Valve

4264-A VALVE

TRIODE.

SPECIFICATION.

Cathode.

Oxide coated filament.
Constant current type.

Base.

American tapered small 4-pin.

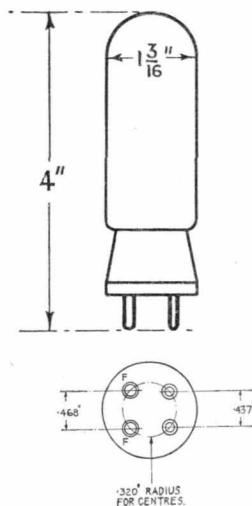
Dimensions.

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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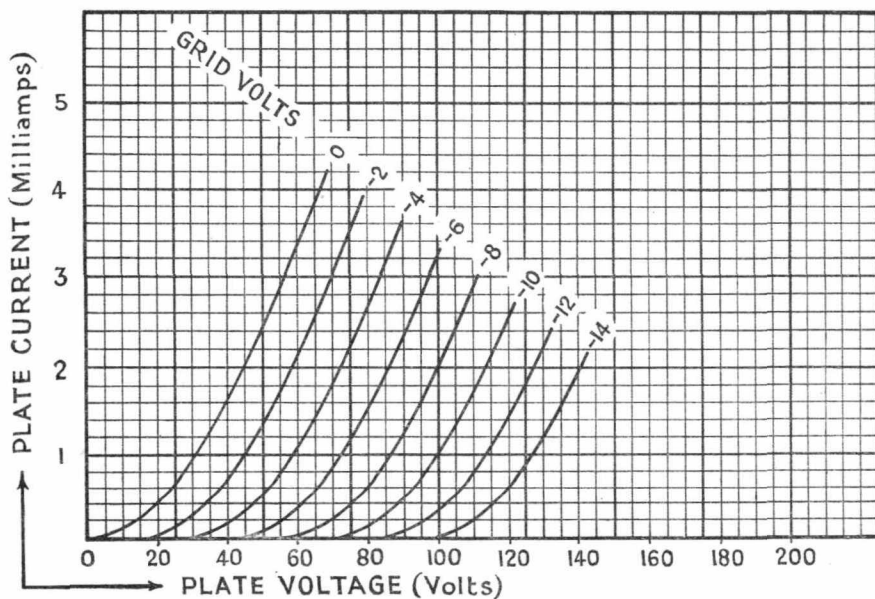
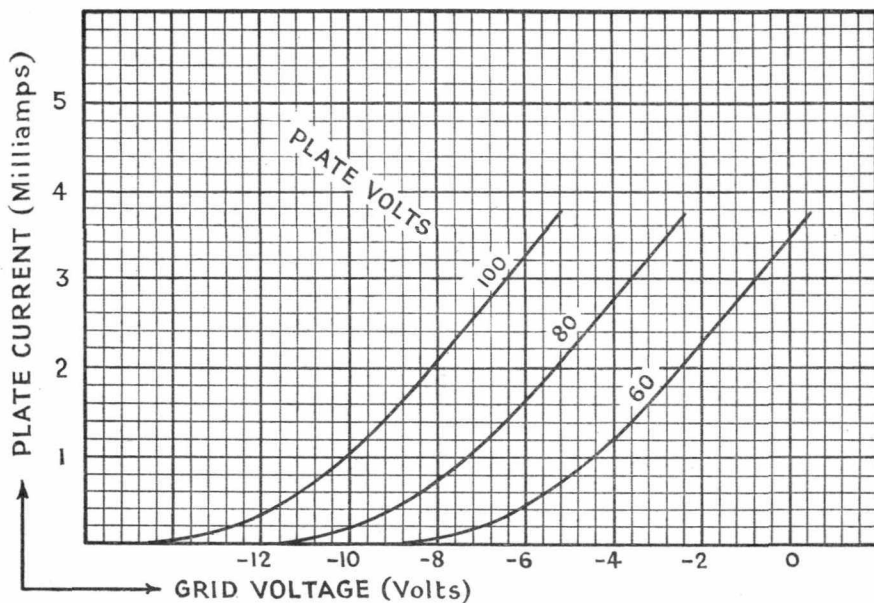
TYPICAL OPERATING CONDITIONS.

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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