

—Standard Valves—

3C/150-A

VALVE TYPE 3C/150-A

HIGH FREQUENCY TRIODE.

SPECIFICATION.

Cathode.

Thoriated tungsten filament.
Constant voltage type.

Dimensions.

Maximum overall length $9\frac{15}{16}$ " (25.2 cm.)
Bulb diameter 2.83" (7.2 cm.)
Net weight 0.7 lbs. (320 gms.)

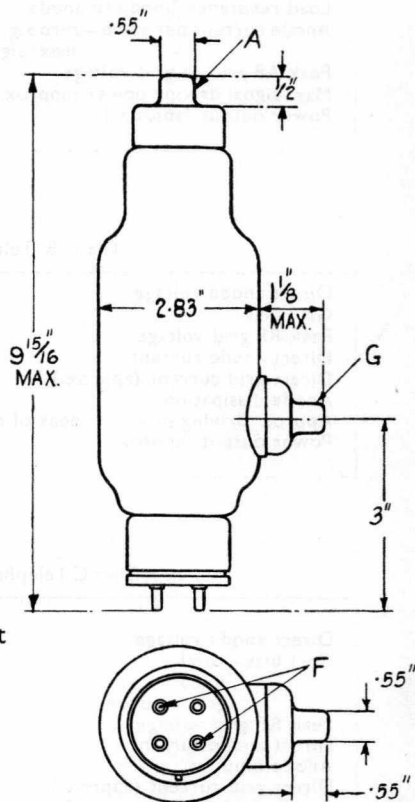
Base.

Large 4-pin bayonet.

Constants.

Filament voltage	10 volts
Filament current	3.4 amps.
*Impedance	3,800 ohms.
*Amplification factor	18
*Mutual conductance	4.75 mA. per volt
Grid-anode capacity	$7.3 \mu\mu\text{F.}$
Grid-filament capacity	$8.6 \mu\mu\text{F.}$
Anode-filament capacity	$1.1 \mu\mu\text{F.}$

* at $V_p = 1,000$ volts, $I_p = 150$ mA.



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	2,500 volts
Maximum anode dissipation	150 watts
Maximum direct anode current	200 mA.
Maximum RF grid current	10 amps.
Maximum frequency for above ratings	20 Mc.
Maximum anode voltage for frequency of 60 Mc.	2,000 volts

Tentative data

W.3C/150-A.1
March 1939

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Class C Telephony—Unmodulated

Direct anode voltage	2,000	2,500 volts
Grid bias	—250	—300 volts
Peak RF grid voltage	410	455 volts
Direct anode current	200	200 mA.
Direct grid current (approx.)	23	18 mA.
Anode dissipation	100	120 watts
Driving power (approx.)	9	8 watts
Output power (approx.)	300	380 watts

