

Direct Interelectrode Capacitances:

Triode Unit:

Grid to Plate	
Grid to Cathode, Tetrode Cathode, Heater, and Internal Shield	
Plate to Cathode, Tetrode Cathode, Heater, and Internal Shield	

Tetrode Unit:

Grid No. 1 to Plate	
Grid No.1 to Cathode, Heater, Grid No.2, and Internal Shield	
Plate to Cathode, Heater, Grid No.2, and Internal Shield	
Tetrode Grid No.1 to Triode Plate	
Tetrode Plate to Triode Plate	
Heater to Cathode (Each Unit)	

Unshielded Shielded

1.8	1.8	pF
2.8	2.8	pF
1.5	2	pF
0.02 max	0.01 max	pF
5	5	pF
2	3	pF
0.015 max	0.01 max	pF
0.15 max	0.03 max	pF
3	3	pF

Class A₁ Amplifier

CHARACTERISTICS

Plate Supply Voltage	
Grid-No.2 (Screen-Grid) Voltage	
Grid-No.1 Voltage	
Amplification Factor	
Plate Resistance (Approx.)	
Transconductance	
Plate Current	
Grid-No.2 Current	
Grid-No.1 Voltage (Approx.) for plate current of 20 μ A	

Triode Unit Tetrode Unit

125	125	volts
—	125	volts
—1	—1	volt
40	—	
0.005	0.2	megohm
8000	6500	μ mhos
14	12	mA
—	4	mA
—9	—9	volts

MAXIMUM CIRCUIT VALUES

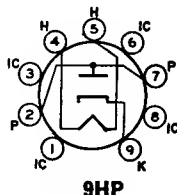
Grid-No.1-Circuit Resistance:

For fixed-bias operation	0.5	0.25	megohm
For cathode-bias operation	1	1	megohm

6CM3

25CM3, 34CM3

Novar type used as damper tube in horizontal-deflection circuits of color and black-and-white television receivers. Outline section, 30B; requires novar 9-contact socket. Socket terminals 1, 3, 6, and 8 should not be used as tie points. This tube, like other power-handling tubes, should be adequately ventilated. Types 25CM3 and 34CM3 are identical with type 6CM3 except for heater ratings.

HALF-WAVE
VACUUM RECTIFIER

9HP

Heater Voltage (ac/dc)	6CM3	25CM3	34CM3	
Heater Current	6.3	25	33.5	volts
Heater Warm-up Time (Average)	2.4	0.6	0.45	amperes
Direct Interelectrode Capacitances:	—	11	11	seconds
Plate to Cathode and Heater			20	pF
Cathode to Plate and Heater			18	pF
Heater to Cathode			4	pF

Damper Service

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#		5500	volts
Peak Plate Current		1700	mA
Average Plate Current		400	mA
Plate Dissipation		12	watts
Heater-Cathode Voltage:			
Peak value	+300	—5500	volts
Average value	+100	—900	volts

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 350 mA	10	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).