

RATINGS (Design Center Rating System)

Damper Service⁽²⁾

Peak Inverse Plate Voltage (Abs. Max.) ⁽¹⁾	6000 Volts
Plate Dissipation	2.7 Watts
Steady State Peak Plate Current	800 Ma
DC Output Current	135 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop $I_b = 250$ Ma DC	19 Volts
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NOTES:

- (1) Should not be exceeded under any condition of high line voltage or misadjustment.
- (2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

6V6GTA

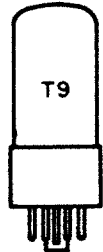
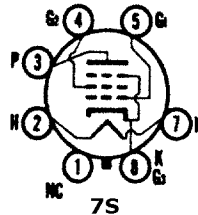
5V6GT, 12V6GT

Color Television Type

AUDIO POWER AMPLIFIER or VERTICAL DEFLECTION AMPLIFIER

Beam Power Pentode

Construction	Octal T-9
Base	Octal 6 or 7 Pin, B6-81 B6-84, B7-7 or B7-59
Basing.....	7S
Outline	9-11 or 9-41
Maximum Diameter	1.188 In.
Maximum Seated Height	2.750 In.
Maximum Overall Height	3.312 In.



ELECTRICAL DATA

HEATER OPERATION

	12V6GT	5V6GT	6V6GTA
Heater Voltage.....	12.6	4.7	6.3 Volts
Heater Current	225	600	450 Ma
Heater Warm-up Time	—	11	11 Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC			100 Volts
Total DC and Peak.....			200 Volts

DIRECT INTERELECTRODE CAPACITANCES

Grid No. 1 to Plate	0.7 Pf
Input: g_1 to $(h + k + g_2 + g_3)$	9.0 Pf
Output: p to $(h + k + g_2 + g_3)$	7.5 Pf

RATINGS (Design Maximum Rating System)

Class A1 Amplifier

Plate Voltage (Max.)	350 Volts
Grid No. 2 Voltage (Max.)	315 Volts
Plate Dissipation (Max.)	14 Watts
Grid No. 2 Dissipation (Max.)	2.2 Watts
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.1 Megohm
Cathode Bias (Max.)	0.5 Megohm

Vertical Deflection Amplifier⁽¹⁾—Triode Connected

Plate Voltage (Max.)	350 Volts
Peak Positive Plate Voltage (Abs. Max.)	1200 Volts
Plate Dissipation ⁽²⁾	10 Watts
Peak Negative Grid Voltage	275 Volts
Average Cathode Current	40 Ma
Peak Cathode Current	115 Ma
Grid No. 1 Circuit Resistance (Cathode Bias) (Max.)	2.2 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier (Single Tube)

	Triode Conn.		Pentode Conn.	
Plate Voltage	250	180	250	315 Volts
Grid No. 2 Voltage	—	180	250	225 Volts
Grid No. 1 Voltage	-12.5	-8.5	-12.5	-13.0 Volts
Peak AF Grid No. 1 Voltage	—	8.5	12.5	13.0 Volts
Zero Signal Plate Current	49.5	29	45	34 Ma

