

Grid No. 2 Dissipation:

For Grid No. 2 Voltages up to 137.5 Volts	0.45 Watt
For Grid No. 2 Voltages between 137.5 and 275 Volts	See Rating Chart (Gen. Info. Sec.)
Grid No. 1 Input	0.5 Watt Max.
Positive Grid No. 1 Voltage (Max.)	0 Volt
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.1 Megohm
Self Bias (Max.)	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

	Triode Section	Pentode Section
Plate Voltage	125	125 Volts
Grid No. 2 Voltage	—	125 Volts
Cathode Bias Resistor	100	200 Ohms
Plate Current	8.5	7.7 Ma
Grid No. 2 Current	—	1.6 Ma
Transconductance	6500	5500 μ mhos
Amplification Factor	40	—
Plate Resistance (Approx.)	6000	300,000 Ohms
Ec1 for Ib = 10 μ a (Approx.)	-7	-6.5 Volts

NOTES:

- (1) Shield No. 315 connected to cathode.
- (2) Shield No. 315 connected to ground.

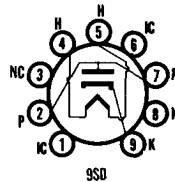
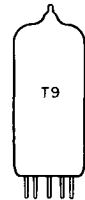
6CH3

Color Television Type

DAMPER

Heater-Cathode Diode

Construction	Novar T-9
Base	Button 9 Pin, E9-75
Basing	9SD
Outline	9-87
Maximum Diameter	1.188 In.
Maximum Seated Height	3.330 In.
Maximum Overall Height	3.710 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	6.3 Volts
Heater Current	2500 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
DC	900 Volts
Total DC and Peak	5000 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	300 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Cathode to Plate and Heater	17.0 Pf
Plate to Cathode and Heater	13.0 Pf
Heater to Cathode	4.4 Pf

RATINGS (Design Maximum Rating System)

Damper Service⁽¹⁾

Peak Inverse Plate Voltage (Max.)	5000 Volts
Plate Dissipation (Max.)	11 Watts
Steady State Peak Plate Current (Max.)	1500 Ma
DC Plate Current (Max.)	350 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for Ib = 680 Ma	20 Volts
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NOTE:

- (1) 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.