DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Triode (Section 1)	
Grid to Plate: (T1g to T1p)	1.7 Pf
Input: T1g to (T1k + Pk + Pg3 + IS)	3.2 Pf
Output: T1p to (T1k + Pk + Pg3 + IS)	1.4 Pf
Triode (Section 2)	
Grid to Plate: (T2g to T2p)	1.8 Pf
Input: T2g to (T2k + Pk + Pg3 + IS)	3.0 Pf
Output: T2p to (T2k + Pk + Pg3 + IS)	0.6 Pf
Pentode Section	
Grid No. 1 to Plate: (Pg2 to Pp)	0.11 Pf
Input: Pg1 to (Pk + Pg2 + Pg3 + IS)	5.5 Pf
Output: Pp to (Pk + Pg2 + Pg3 + IS)	2.2 Pf

RATINGS (Design Maximum Rating System)

	Pentode Section Horiz. Osc. Service[1]	Each Triode Section
DC Plate Voltage (Max.)	350	330 Volts
Screen Supply Voltage (Max.)	330	— Volts
Screen Voltage (Max.)	See Rating Chart (Gen. Info. Sec.)	
Positive DC Grid No. 1 Voltage (Max.)	0	0 Volt
Peak Negative Grid No. 1 Voltage (Max.)	175	— Volts
Plate Dissipation (Max.)	2.5	2.5 Watts
Screen Dissipation (Max.)	0.55	— Watt
DC Cathode Current (Max.)	20	— Ma
Peak Cathode Current (Max.)	300	— Ma
Grid No. 1 Circuit Resistance		
With Fixed Bias (Max.)	2.2	2.2 Megohms
With Cathode Bias (Max.)	2.2	2.2 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

	Pentode Section	Each Triode Section
Plate Voltage	125	125 Volts
Screen Voltage	125	— Volts
Grid No. 1 Voltage	−1.0	−1.0 Volt
Amplification Factor	—	46
Plate Resistance (Approx.)	200,000	5400 Ohms
Transconductance	7500	8500 μmhos
Plate Current	12	13.5 Ma
Screen Current	4.0	— Ma
Grid No. 1 Voltage (Approx.)		
Ib = 10 μa	−8	−8 Volts

NOTE:

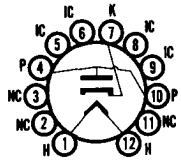
(1) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

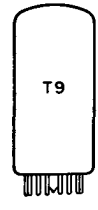
DAMPER

6BJ3

Heater-Cathode Diode

Construction.....Compactron T-9
Base .....Button 12 Pin, E12-70
Basing[1] 12BL
Outline 9-59
Maximum Diameter .....1.188 In.
Maximum Seated Height .....2.250 In.
Maximum Overall Height .....2.625 In.





ELECTRICAL DATA

HEATER OPERATION

Heater Voltage	6.3 Volts
Heater Current	1200 Ma
Maximum Heater Cathode Voltage	
Heater Negative with Respect to Cathode	
DC	600 Volts
Total DC and Peak	3300 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	300 Volts