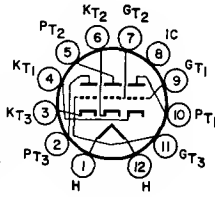
Pulse duration must not exceed 15% of a vertical scanning cycle (2.5 milliseconds).
• This value can be measured by a metbod involving a recurrent waveform sucb that the maximum ratings of tbe tube will not be exceeded.

6D6	Refer to chart at end of section.
6D7	Refer to chart at end of section.
6D8G	Refer to chart at end of section.

6D10 HIGH-MU TRIPLE TRIODE



12BQ

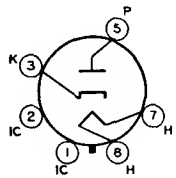
Duodecar type used in oscillator-mixer, grounded-grid amplifier, and automatic-frequency-control circuits. Outlines section, 8A; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.3; amperes, 0.45; maximum heater-cathode volts, ±200 peak, 100 average.

Class A_1 Amplifier

MAXIMUM RATINGS (Design-Maximum Values, Each Triode Unit)		
Plate Voltage	330	volts
Grid Voltage:		
Positive-bias value	0	volts
Negative-bias value	50	volts
Plate Dissipation	2	watts
Total Plate Dissipation (All plates)	6	watts
CHARACTERISTICS (Each Triode Unit)		
Plate Voltage	125	volts
Grid Voltage	—1	volts
Amplification Factor	57	
Plate Resistance (Approx.)	13600	obms
Transconductance	4200	μmbos
Plate Current	4.2	mA
Grid Voltage (Approx.) for plate current of 20 μA	—4	volts

6DA4 HALF-WAVE VACUUM RECTIFIER

12D4, 17D4



4CG

Glass octal type used as damper tube in horizontal-deflection circuits of television receivers. Outlines section, 13D; requires octal socket. May be supplied with pin No.1 omitted. Socket terminals 1, 2, 4, and 6 should not be used as tie points. This tube, like other power-handling tubes, should be adequately ventilated. Types 12D4 and 17D4 are identical with type 6DA4 except for heater ratings.

	6DA4	12D4	17D4	
Heater Voltage (ac/dc)	6.3	12.6	16.8	volts
Heater Current	1.2	0.6	0.45	amperes
Heater Warm-up Time (Average)	—	11	11	seconds

Damper Service

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

MAXIMUM RATINGS (Design-Maximum Values)			
Peak Inverse Plate Current#		4400	volts
Peak Plate Current		900	mA
Average Plate Current		155	mA
Plate Dissipation		5.5	watts
Heater-Catbode Voltage:			
Peak value	+300	—4400	volts
Average value	+100	—900	volts

Pulse duration must not exceed 15% of a borizontal scanning cycle (10 microseconds).