

MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance for cathode-bias operation 2.2 megohms

Pulse duration must not exceed 15% of a vertical scanning cycle (2.5 milliseconds).

* Under no circumstances should this absolute value be exceeded.

Refer to chart at end of section. **12BK5**

Refer to chart at end of section. **12BL6**

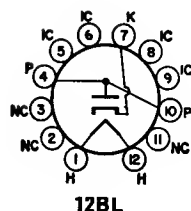
Refer to type 6BN6. **12BN6**

Refer to type 6BQ6GTB/6CU6. **12BQ6GTB/12CU6**

Refer to chart at end of section. **12BR7**

Refer to chart at end of section. **12BS3**

Refer to type 6BS3A. **12BS3A**



12BL

**HALF-WAVE
VACUUM RECTIFIER**

12BT3

Duodecar type used as damper tube in horizontal-deflection circuits of television receivers. Outlines section, 8C; requires duodecar 12-contact socket. Heater: volts (ac/dc), 12.6; amperes, 0.45.

Damper Service

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	3300	volts
Peak Plate Current	1000	mA
Average Plate Current	165	mA
Plate Dissipation	5.3	watts
Heater-Cathode Voltage:		
Peak value	+300	volts
Average value	+100	volts

CHARACTERISTICS, Instantaneous Value

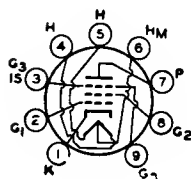
Tube Voltage Drop for plate current of 250 mA max	21	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

Refer to chart at end of section. **12BV7**

Refer to chart at end of section. **12BW4**

Refer to chart at end of section. **12BY7**



9BF

SHARP-CUTOFF PENTODE

12BY7A

Miniature type used as video amplifier in television receivers. Outlines section, 6E; requires miniature 9-contact socket.

Heater Arrangement:	Series	Parallel	
Heater Voltage (ac/dc)	12.6	6.3	volts
Heater Current	0.3	0.6	ampere
Heater Warm-up Time (Average)	—	11	seconds
Heater-Cathode Voltage:			
Peak value		±200 max	volts
Average value		100 max	volts