MAXIMUM CIRCUIT VALUES

Grid-Circuit Resistance:*

For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.2	megohm

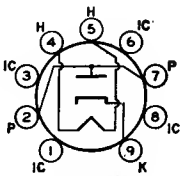
* For operation at metal-shell temperatures up to 135°C.

6DW4 Refer to chart at end of section.

6DW4A
6DW4B

12DW4A

HALF-WAVE VACUUM RECTIFIER



9HP

Novar types used as damper tubes in horizontal-deflection circuits of color and black-and-white television receivers. Outlines section, 11D and 30B, respectively; require novar 9-contact socket. Socket terminals 1, 3, 6, and 8 should not be used as tie points; it is recommended that socket clips for these pins be removed to reduce the possibility of arc-over and to minimize leakage. These tubes, like other power-handling tubes, should be adequately ventilated. Type 12DW4A is identical with type 6DW4A except for heater ratings. Type 6DW4B is identical with type 6DW4A except for heater-cathode voltages.

	6DW4A 6DW4B	12DW4A	
Heater Voltage (ac/dc)	6.3	12.6	volts
Heater Current	1.2	0.6	amperes
Heater Warm-up Time	—	11	seconds
Direct Interelectrode Capacitances (Approx.):			
Plate to Cathode and Heater		6.5	pF
Cathode to Plate and Heater		9	pF
Heater to Cathode		2.8	pF

Damper Service

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#			5500	volts
Peak Plate Current			1300	mA
Average Plate Current			250	mA
Plate Dissipation			8.5	watts
Heater-Cathode Voltage:		6DW4B	12DW4A 6DW4A	
Peak value	+300	—5000	—5500	volts
Average value	+100	—900	—900	volts

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 350 mA	25	volts

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

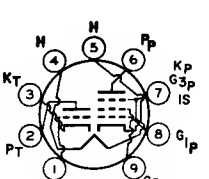
6DW5 Refer to chart at end of section.

6DX8 Refer to chart at end of section.

6DX8/ ECL84

10DX8/LCL84

HIGH-MU TRIODE— SHARP-CUTOFF PENTODE



9HX

Miniature type used in color and black-and-white television-receiver applications. The triode unit is used as a sync-separator, sync-amplifier, keyed-agc, or noise-suppressor tube. The pentode unit is used as a video-output tube. Outlines section, 6E; requires miniature 9-contact socket. Type 10DX8/LCL84 is identical with type 6DX8/ECL84 except for heater ratings.