

9RX

HALF-WAVE VACUUM RECTIFIER

6CT3

17CT3

Miniature type used as damper tube in horizontal-deflection circuits of black-and-white and small-screen color television receivers. Outlines section, 6H; requires miniature 9-contact socket. Socket terminals 1, 3, 7, and 8 should not be used as tie points for external-circuit components. This tube, like other power-handling

tubes, should be adequately ventilated. Type 17CT3 is identical with type 6CT3 except for heater ratings.

	6CT3	17CT3	
Heater Voltage (ac/dc)	6.3	16.8	volts
Heater Current	1.2	0.45	amperes
Heater Warm-up Time (Average)	—	11	seconds
Direct Interelectrode Capacitances (Approx.):			
Plate to Cathode and Heater		12	pF
Cathode to Plate and Heater		9.5	pF
Heater to Cathode		2.8	pF

Damper Service

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

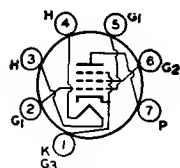
MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	5000	volts
Peak Plate Current	1200	mA
Average Plate Current	250	mA
Plate Dissipation	4.75	watts
Heater-Cathode Voltage:		
Peak value	+300	volts
Average value	+100	volts
Bulb Temperature (At hottest point)	220	°C

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 350 mA	16	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).



7CV

BEAM POWER TUBE

6CU5

12CU5/12C5, 17CU5,
17CU5/17C5

Miniature type used in the audio output stage of television receivers. Outlines section, 5D; requires miniature 7-contact socket. Types 12CU5/12C5, 17CU5, and 17CU5/17C5 are identical with type 6CU5 except for heater ratings.

	6CU5	12CU5/12C5	17CU5/ 17CU5/ 17C5	
Heater Voltage (ac/dc)	6.3	12.6	16.8	volts
Heater Current	1.2	0.6	0.45	ampere
Heater Warm-up Time (Average)	—	11	11	seconds
Heater-Cathode Voltage:				
Peak value	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	volts
Direct Interelectrode Capacitances (Approx.):				
Grid No.1 to Plate			0.6	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Grid No.3			13	pF
Plate to Cathode, Heater, Grid No.2, and Grid No.3			8.5	pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	150	volts
Grid-No.2 (Screen-Grid) Voltage	130	volts
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Plate Dissipation	7	watts
Grid-No.2 Input	1.4	watts
Bulb Temperature (At hottest point)	220	°C