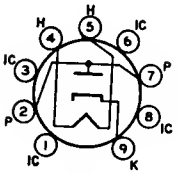
HALF-WAVE VACUUM RECTIFIER — 6CJ3



9HP

Novar type used as damper tube in horizontal-deflection circuits of black-and-white television receivers. Outlines section, 30F; requires novar 9-contact socket. Socket terminals 1, 3, 6, and 8 should not be used as tie points. This tube, like other power-handling tubes, should be adequately ventilated. Heater: volts (ac/dc), 6.3; amperes, 1.8.

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		2100	mA
Average Plate Current		350	mA
Plate Dissipation		6.5	watts
Heater-Cathode Voltage:			
Peak value	+300	—5500	volts
Average value	+100	—900	volts

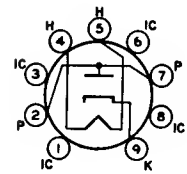
CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 700 mA	25	volts

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

HALF-WAVE VACUUM RECTIFIER — 6CK3

12CK3, 17CK3



9HP

Novar type used as damper tube in horizontal-deflection circuits of black-and-white television receivers. Outlines section, 30B; requires novar 9-contact socket. Socket terminals 1, 3, 6, and 8 should not be used as tie points; it is recommended that socket tabs be removed to reduce the possibility of arc-over and to minimize leakage. This tube, like other power-handling tubes, should be adequately ventilated. Types 12CK3 and 17CK3 are identical with type 6CK3 except for heater ratings.

	6CK3	12CK3	17CK3	
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
Direct Interelectrode Capacitances (Approx.):				
Plate to Cathode and Heater			6.5	pF
Cathode to Plate and Heater			9	pF
Heater to Cathode			3	pF

Damper Service

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#		5200	volts
Peak Plate Current		1200	mA
Average Plate Current		250	mA
Plate Dissipation		6.5	watts
Heater-Cathode Voltage:			
Peak value	+300	—5200	volts
Average value	+100	—900	volts

CHARACTERISTICS, INSTANTANEOUS VALUE

Tube Voltage Drop for plate current of 350 mA	16	volts

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

Refer to chart at end of section. 6CK4