



— PRODUCT INFORMATION —

53HK7

Compactron Diode-Pentode

The 53HK7 is a compactron containing a high-perveance diode and a beam-power pentode. The diode is intended for service as the damping diode and the pentode as the horizontal-deflection amplifier in television receivers.

Except for heater characteristics and ratings, the 53HK7 is identical to the 38HK7.

GENERAL

ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC*	53.2	Volts
Heater Current†	0.315±0.02	Amperes
Heater Warm-up Time, Average‡.	11	Seconds

NOTES

- * Heater voltage for a bogey tube at $I_f = 0.315$ amperes.
- † The equipment designer should design the equipment so that heater current is centered at the specified bogey value, with heater supply variations restricted to maintain heater current within the specified tolerance.
- ‡ The time required for the voltage across the heater to reach 80 percent of the bogey value after applying 4 times the bogey heater voltage to a circuit consisting of the tube heater in series with a resistance equal to 3 times the bogey heater voltage divided by the bogey heater current.

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