



**36KD6**

# Compactron Beam Pentode

**TUBES**

**FOR TV HORIZONTAL-DEFLECTION  
AMPLIFIER APPLICATIONS**

The 36KD6 is a compactron beam-power pentode primarily designed for use as the horizontal-deflection amplifier in color television receivers. It is characterized by having a very low knee with a very high peak current of over an ampere. This results in a basic capability to scan 90-degree large screen color picture tubes at 25 KV from 280-volt power supplies. Its low knee minimizes "snivets" without the necessity of supplying special voltages to the beam plates.

Except for heater characteristics and ratings, the 36KD6 is identical to the 6KD6.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC*	36	Volts
Heater Current♦	0.45 ± 0.03	Amperes
Heater Warm-up Time, average●	11	Seconds

## NOTES

- \* Heater voltage for a bogey tube at  $I_f = 0.45$  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 supplying 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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