



— PRODUCT INFORMATION —

**36KD6**

**Compactron Beam Pentode**

**FOR TV HORIZONTAL-DEFLECTION  
AMPLIFIER APPLICATIONS**

**TUBES**

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 If = 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.

The tubes and arrangements disclosed herein may be covered by patents of General Electric Company or others. Neither the disclosure of any information herein nor the sale of tubes by General Electric Company conveys any license under patent claims covering combinations of tubes with other devices or elements. In the absence of an

express written agreement to the contrary, General Electric Company assumes no liability for patent infringement arising out of any use of the tubes with other devices or elements by any purchaser of tubes or others.

TUBE DEPARTMENT  
**GENERAL**  **ELECTRIC**  
Owensboro, Kentucky 42301