



ELECTRONIC
INNOVATIONS
IN ACTION

TUBES

Beam Pentode

36LW6

FOR TV HORIZONTAL-DEFLECTION
AMPLIFIER APPLICATIONS

The 36LW6 beam power pentode is designed for horizontal-deflection of 90° and 110° color picture tubes from power supplies of 280 to over 400 volts. It is particularly well suited for feedback scan regulation systems since it provides high peak plate current with high screen voltage and relatively high negative end-of-scan grid drive voltage for great control latitude. The great power handling capability of the 36LW6 results from a new integral fin and radiator anode design that achieves very uniform heat distribution over the entire surface of its larger T-14 bulb. In addition, its low knee voltage minimizes snivets without the necessity of supplying special voltages to the beam plates.

Except for heater characteristics and ratings, the 36LW6 is identical to the 6LW6.

GENERAL

ELECTRICAL

Cathode — Coated Unipotential

Heater Characteristics and Ratings

| | | |
|--------------------------------|------------|---------|
| Heater Voltage, AC or DC * | 36.0 | Volts |
| Heater Current • | 0.45 | 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 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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