The 25AX4GT is a heater-cathode type diode designed for use in horizontal frequency damper service in television receivers. It is designed to withstand high voltage pulses of line frequency between cathode and both heater and plate elements, such as normally encountered in "direct drive" circuits.

**Direct Interelectrode Capacitances**

With no external shield

Heater to cathode 7.5 \( \mu F \)

**Ratings**

Interpreted according to RETMA Standard MB-210

**Design Center Values**

Heater voltage 25 Volts
Heater current 0.3 Amp.
Maximum peak heater cathode voltage:
- Heater negative with respect to cathode 4000 Volts
- Heater positive with respect to cathode 100 Volts
Maximum peak inverse plate voltage 4000 Volts
Maximum steady state peak plate current 600 MA.
Maximum transient peak plate current 3.0 Amp.
Maximum DC output current 125 MA.
Tube voltage drop (with tube conducting 250 MA.) 32 Volts

*Applicable where the duty cycle of the voltage pulse does not exceed 15% of one scanning cycle, and its duration is limited to 30 microseconds.*

*This rating applies to hot switching where transient duration does not exceed 0.2 seconds.*