The IAY2 is a filamentary high-voltage diode in double-ended construction with a new two-pin "plug-in" base. It is designed for use as the high-voltage rectifier in the flyback circuit to supply the anode of the television picture tube. Its electrical characteristics are similar to the IROG.

**DIRECT INTERELECTRODE CAPACITANCE**

Plate to filament

1.4 pf

**MAXIMUM RATINGS**

Design maximum system - See EIA Standard RS-239

**FLYBACK VOLTAGE RECTIFIER**

Inverse plate voltage: Total DC and peak DC

26 KV

22 KV

Peak plate current

50 mA

Average plate current

0.5 mA

**FILAMENT CHARACTERISTICS AND RATINGS**

Design maximum system - See EIA Standard RS-239

Average characteristics: 1.25 Volts

200 mA

Limits of applied voltage - AC or DC:

1.25 ± 0.20 Volts

**AVERAGE CHARACTERISTICS**

Tube voltage drop for \( I_p = 7 \) mA

75 Volts

---

*WARNING:

This tube may produce soft X-rays which can constitute a health hazard unless adequately shielded.*

---

TUNG-SOL ELECTRIC INC., ELECTRON TUBE DIVISION, BLOOMFIELD, NEW JERSEY, U.S.A. DECEMBER 3, 1964 PLATE 7029