THE 1AJ2 IS A FILAMENTARY HIGH-VOLTAGE DIODE IN A DOUBLE-ENDED T-9 COMPACTRON CONSTRUCTION. IT IS DESIGNED FOR USE AS THE RECTIFIER IN THE FLY-BACK CIRCUIT TO SUPPLY THE ANODE OF THE TELEVISION PICTURE TUBE.

DIRECT INTERELECTRODE CAPACITANCE

WITHOUT EXTERNAL SHIELD

PLATE TO ALL: P TO (P + 1.5) - APPROX. 1.8 pF

FILAMENT CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS

1.25 VOLTS 200 MA.

LIMITS OF APPLIED FILAMENT VOLTAGE

AC OR DC 1.25±0.20 VOLTS

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

FLYBACK VOLTAGE RECTIFIER SERVICE

INVERSE PLATE VOLTAGE

TOTAL DC AND PEAK 26 KV.

DC 22 KV.

PEAK PLATE CURRENT 50 MA.

DC OUTPUT CURRENT 0.5 MA.

AVERAGE CHARACTERISTICS

TUBE DROP WITH 7 MA PLATE CURRENT - APPROX. 140 VOLTS

CONTINUED ON FOLLOWING PAGE
THE FLYBACK PULSE SHOULD BE TAKEN FROM THE HORIZONTAL DEFLECTION CIRCUIT OF A 525-LINE, 30-FRAME TELEVISION SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE CONCERNING TELEVISION BROADCAST STATIONS" FEDERAL COMMUNICATIONS COMMISSION. THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE.

PRECAUTIONARY NOTE:

THIS TUBE MAY PRODUCE SOFT X-RAYS WHICH CAN CONSTITUTE A HEALTH HAZARD UNLESS ADEQUATELY SHIELDED.