THE 6V3A IS A HEATER CATHODE TYPE DIODE, DESIGNED FOR USE AS A DAMPING DIODE IN TELEVISION SWEEP CIRCUITS. IT MAY ALSO BE USED AS A HALF-WAVE RECTIFIER.

DIRECT INTERELECTRODE CAPACITANCES

HEATER TO CATHODE

1.5 μuf

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

DAMPER SERVICE A

HEATER VOLTAGE

6.3 VOLS

MAXIMUM PEAK HEATER CATHODE VOLTAGE (HEATER NEGATIVE) BC

6 750 VOLS

MAXIMUM PEAK INVERSE VOLTAGE BC

6 000 VOLS

MAXIMUM STEADY STATE PEAK CURRENT

600 MA.

MAXIMUM DC OUTPUT CURRENT

135 MA.

HALF-WAVE RECTIFIER

HEATER VOLTAGE

6.3 VOLS

MAXIMUM AC PLATE VOLTAGE (RMS)

350 VOLS

MAXIMUM DC OUTPUT CURRENT

125 MA.

AVERAGE TUBE DROP (AT 150 MA.)

14 VOLTS

FILTER INPUT CAPACITOR

20 μfd.

MINIMUM TOTAL EFFECTIVE PLATE SUPPLY VOLTAGE

145 OHMS

A ABSOLUTE MAXIMUM RATINGS ARE THE LIMITING VALUES ABOVE WHICH THE SERVICEABILITY OF THE TUBE MAY BE IMPAIRED FROM THE VIEWPOINT OF LIFE AND SATISFACTORY PERFORMANCE. THEREFORE, IN ORDER NOT TO EXCEED THESE ABSOLUTE RATINGS, THE EQUIPMENT DESIGNER HAS THE RESPONSIBILITY OF DETERMINING AN AVERAGE DESIGN VALUE FOR EACH RATING BELOW THE ABSOLUTE VALUE OF THAT RATING BY AN AMOUNT SUCH THAT THE ABSOLUTE VALUES WILL NEVER BE EXCEEDED UNDER ANY USUAL CONDITION OF LINE VOLTAGE VARIATION, MANUFACTURING VARIATIONS (INCLUDING COMPONENTS) IN THE EQUIPMENT ITSELF, OR ADJUSTMENTS OF CONTROLS.

B DC COMPONENT OF HEATER-CATHODE VOLTAGE SHOULD NOT EXCEED 750 VOLTS WITH HEATER NEGATIVE WITH RESPECT TO CATHODE.

C THIS RATING IS APPLICABLE WHERE THE DURATION OF THE VOLTAGE PULSE DOES NOT EXCEED 15% OF ONE SCANNING CYCLE OR 10 MICRO-SECONDS.