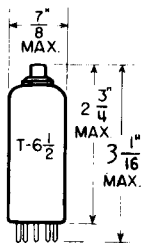


TUNG-SOL

DIODE
MINIATURE TYPE



GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 1.75 AMP.
AC OR DC
ANY MOUNTING POSITION



BOTTOM VIEW
MINIATURE BUTTON
9 PIN BASE

950

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 μ mf

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

DAMPER SERVICE^A

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM PEAK HEATER CATHODE VOLTAGE (HEATER NEGATIVE) ^{BC}	6 750	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE ^{BC}	6 000	VOLTS
MAXIMUM STEADY STATE PEAK CURRENT	600	MA.
MAXIMUM DC OUTPUT CURRENT	135	MA.

HALF-WAVE RECTIFIER

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM AC PLATE VOLTAGE (RMS)	350	VOLTS
MAXIMUM DC OUTPUT CURRENT	125	MA.
AVERAGE TUBE DROP (AT 150 MA.)	14	VOLTS
FILTER INPUT CAPACITOR	20	μ fd.
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.

PRINTED IN U. S. A.