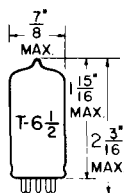


TUNG-SOL

DIODE

MINIATURE TYPE

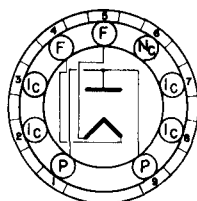


GLASS BULB

COATED FILAMENT
0.625 VOLTS 300 MA.
AC

ANY MOUNTING POSITION

SOCKET TERMINALS 2,3,7 AND 8 SHALL NOT BE USED. TERMINAL 6 MAY BE USED AS A TIE POINT FOR COMPONENTS AT NEAR FILAMENT POTENTIAL.



BOTTOM VIEW
MINIATURE BUTTON
9 PIN BASE

9U

THE IV2 IS A FILAMENTARY DIODE USING THE SMALL BUTTON 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE IN HIGH-VOLTAGE, PULSE-OPERATED RECTIFYING SYSTEMS. IN VIEW OF ITS SINGLE-ENDED CONSTRUCTION AND RESULTANT LOWER VOLTAGE RATINGS, THIS TUBE IS INTENDED FOR USE IN VOLTAGE DOUBLER CIRCUITS TO PROVIDE ADEQUATE HIGH VOLTAGE IN TELEVISION RECEIVING SYSTEMS.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

PLATE TO FILAMENT: (P TO F) 0.8 μ f

RATINGS^A

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

FLYBACK VOLTAGE RECTIFIER^B

FILAMENT VOLTAGE ^C	0.625	VOLTS
FILAMENT CURRENT	300	MA.
MAXIMUM INVERSE PLATE VOLTAGE	8250 ←	VOLTS
TOTAL DC AND PEAK (ABSOLUTE MAXIMUM)	7000 ←	VOLTS
DC	11 ←	MA.
MAXIMUM PEAK PLATE CURRENT	0.6 ←	MA.
MAXIMUM AVERAGE PLATE CURRENT	135	VOLTS
TUBE DROP (APPROX.) WITH 7 MA. PLATE CURRENT)		

^A ALL VALUES ARE EVALUATED ON DESIGN CENTER SYSTEM EXCEPT WHERE ABSOLUTE MAXIMUM IS STATED.

^B FOR OPERATION IN A 525 LINE, 30 FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCASTING STATIONS," FEDERAL COMMUNICATIONS COMMISSION. THE DUTY CYCLE OF THE VOLTAGE PULSE NOT TO EXCEED 15% OF A SCANNING CYCLE.

^C UNDER NO CIRCUMSTANCES SHOULD THE FILAMENT VOLTAGE BE LESS THAN 0.525 VOLTS OR MORE THAN 0.725 VOLTS.

→ INDICATES A CHANGE

IV2

