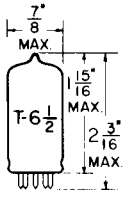
TUNG-SOL

DIODE

MINIATURE TYPE

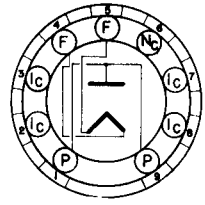


GLASS BULB

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 1V2 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	μμf

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		
TOTAL DC AND PEAK (ABSOLUTE MAXIMUM)	8250 ←	VOLTS
DC	7000 ←	VOLTS
MAXIMUM PEAK PLATE CURRENT	11 ←	MA.
MAXIMUM AVERAGE PLATE CURRENT	0.6 ←	MA.
TUBE DROP (APPROX.) WITH 7 MA. PLATE CURRENT)	135	VOLTS

[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

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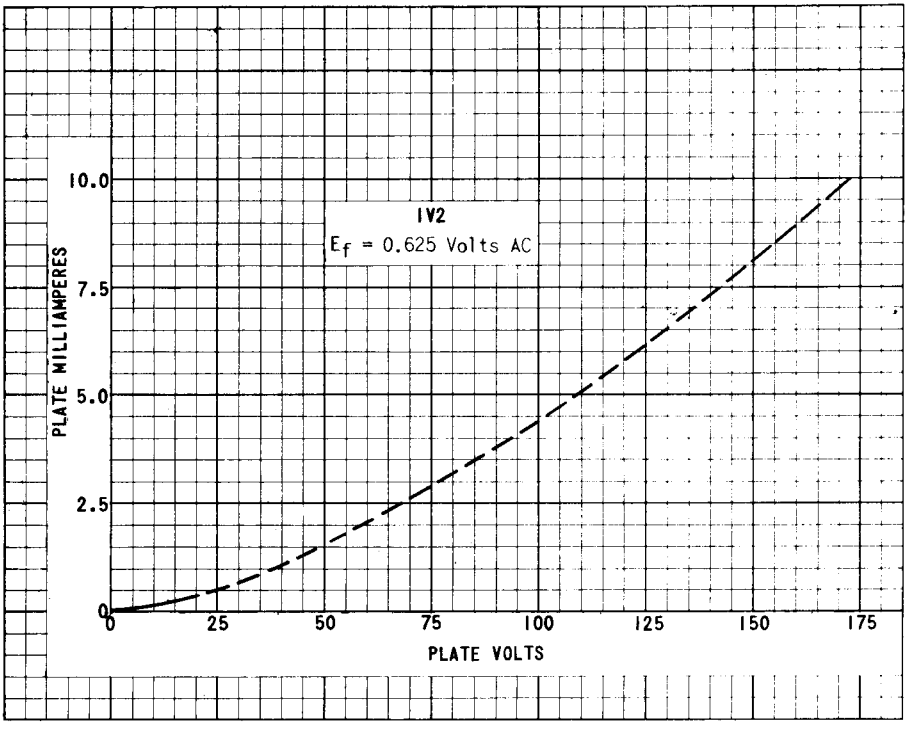
1V2
E_f = 0.625 Volts AC
PLATE MILLIAMPERES
10.0
7.5
5.0
2.5
0
0
25
50
75
100
125
150
175
PLATE VOLTS