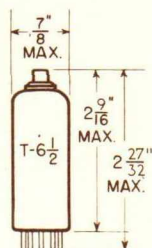


## TUNG-SOL

## DIODE

## MINIATURE TYPE



GLASS BULB  
SKIRTED  
MINIATURE CAP

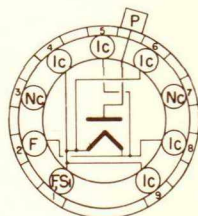
## COATED FILAMENT

1.25 VOLTS<sup>A</sup> 0.2 AMP.

AC OR DC

ANY MOUNTING POSITION

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



BOTTOM VIEW

MINIATURE BUTTON  
9 PIN BASE

9Y

PINS #317 MAY BE  
CONNECTED TO FILAMENT;  
OTHERWISE DO NOT USE

THE IX2B IS A MINIATURE FILAMENTARY TYPE DIODE PARTICULARLY SUITED FOR  
USE IN FLYBACK VOLTAGE TYPE POWER SUPPLIES.

## DIRECT INTERELECTRODE CAPACITANCES — APPROX.

PLATE TO FILAMENT: P TO (F+IS)

1.0

μf

RATINGS<sup>B</sup>

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

FLY-BACK VOLTAGE RECTIFIER<sup>C</sup>

|                                                      |       |       |
|------------------------------------------------------|-------|-------|
| FILAMENT VOLTAGE <sup>A</sup>                        | 1.25  | VOLTS |
| FILAMENT CURRENT                                     | 0.2   | AMP.  |
| MAXIMUM INVERSE PLATE VOLTAGE:                       |       |       |
| TOTAL DC AND PEAK (ABSOLUTE MAXIMUM)                 | 22 ←  | KV.   |
| DC                                                   | 18 ←  | KV.   |
| MAXIMUM PEAK PLATE CURRENT                           | 45 ←  | MA.   |
| MAXIMUM AVERAGE PLATE CURRENT                        | 0.5 ← | MA.   |
| TUBE VOLTAGE DROP (APPROX.) WITH 7 MA. PLATE CURRENT | 100   | VOLTS |

<sup>A</sup> UNDER NO CIRCUMSTANCES SHOULD THE FILAMENT VOLTAGE BE LESS THAN 1.05 VOLTS OR MORE THAN 1.45 VOLTS.

<sup>B</sup> ALL VALUES ARE EVALUATED ON DESIGN CENTER SYSTEM EXCEPT WHERE ABSOLUTE MAXIMUM IS STATED.

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

DESIGN-MAXIMUM RATINGS ARE LIMITING VALUES OF OPERATING AND ENVIRONMENTAL CONDITIONS APPLICABLE TO A BOGEY ELECTRON DEVICE OF A SPECIFIED TYPE AS DEFINED BY ITS PUBLISHED DATA, AND SHOULD NOT BE EXCEEDED UNDER THE WORST PROBABLE CONDITIONS. THE DEVICE MANUFACTURER CHOOSES THESE VALUES TO PROVIDE ACCEPTABLE SERVICEABILITY OF THE DEVICE, TAKING RESPONSIBILITY FOR THE EFFECTS OF CHANGES IN OPERATING CONDITIONS DUE TO VARIATIONS IN DEVICE CHARACTERISTICS. THE EQUIPMENT MANUFACTURER SHOULD DESIGN SO THAT INITIALLY AND THROUGHOUT LIFE NO DESIGN-MAXIMUM VALUE FOR THE INTENDED SERVICE IS EXCEEDED WITH A BOGEY DEVICE UNDER THE WORST PROBABLE OPERATING CONDITIONS WITH RESPECT TO SUPPLY-VOLTAGE VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT CONTROL ADJUSTMENT, LOAD VARIATION, SIGNAL VARIATION, AND ENVIRONMENTAL CONDITIONS.

→ INDICATES A CHANGE.