

**MECHANICAL DATA**

Ambient Temperature Range . . . . . -40 to +100°C  
 Mounting Position . . . . . Any, RG51/U Input, RG52/U Output Waveguide

**ELECTRICAL DATA**

**FREQUENCY RANGE** . . . . . 8490 to 9578 Mc  
 VSWR  
 8490 and 9578 Mc . . . . . 1.9 Max.  
 8565 to 9487 Mc . . . . . 1.4 Max.

**IGNITOR CHARACTERISTICS**

Open Circuit Voltage . . . . . -650 Volts d c  
 Current . . . . . 100  $\mu$ a d c  
 Voltage Drop . . . . . 200 to 375 Volts d c

**LOW POWER LEVEL UNFIRED CHARACTERISTICS**

Insertion Loss . . . . . .7 db Max.  
 Ignitor Interaction . . . . . .2 db Max.

**HIGH POWER LEVEL FIRED CHARACTERISTICS**

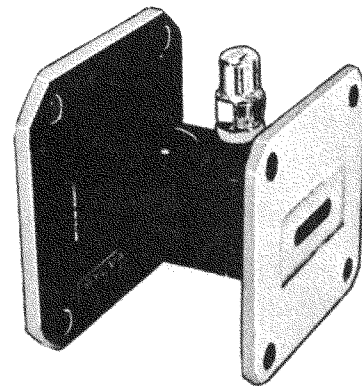
Flat Leakage Power (40 Kw) . . . . . 40 Mw Max.  
 Spike Leakage Energy . . . . . .2 erg Max.  
 Recovery Time (40 Kw) . . . . . 4  $\mu$ sec. Max. at -3 db  
 Recovery Time (200 Kw) . . . . . 10  $\mu$ sec. Max. at -3 db  
 Arc Loss (4 Kw) . . . . . .8 db Max.  
 Position of VSW Minimum (40 Kw) . . . . . .045  $\pm$  .007 Inches

**APPLICATION DATA**

The Sylvania Type 6232 is a broad-band fixed tuned TR tube similar in electrical characteristics to the Sylvania Types 1B63A and 1B63B but not mechanically interchangeable. In order to effect higher power capacity and better pressurizing without breakdown, the type 6232 is designed for use between RG51/U input and RG52/U output waveguide.

**QUICK REFERENCE DATA**

The Sylvania Type 6232 is a broad-band, fixed tuned TR tube designed for 8490 to 9578 Mc operation. Mounting flanges are designed to accommodate RG51/U input and RG52/U output waveguide.



**SYLVANIA ELECTRIC  
PRODUCTS INC.**

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