



engineering data service

SYLVANIA
6232

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 μ 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

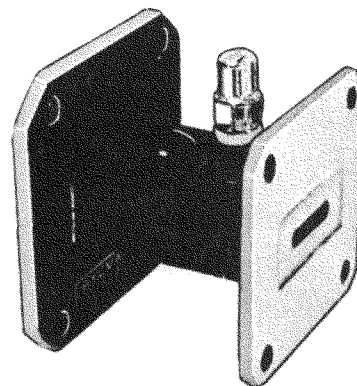
Flat Leakage Power (40 Kw) 40 Mw Max.
Spike Leakage Energy 2 erg Max.
Recovery Time (40 Kw) 4 μ sec. Max. at -3 db
Recovery Time (200 Kw) 10 μ sec. Max. at -3 db
Arc Loss (4 Kw) 8 db Max.
Position of VSW Minimum (40 Kw) 045 $\pm$.007 Inches

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.



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*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

4-54-23

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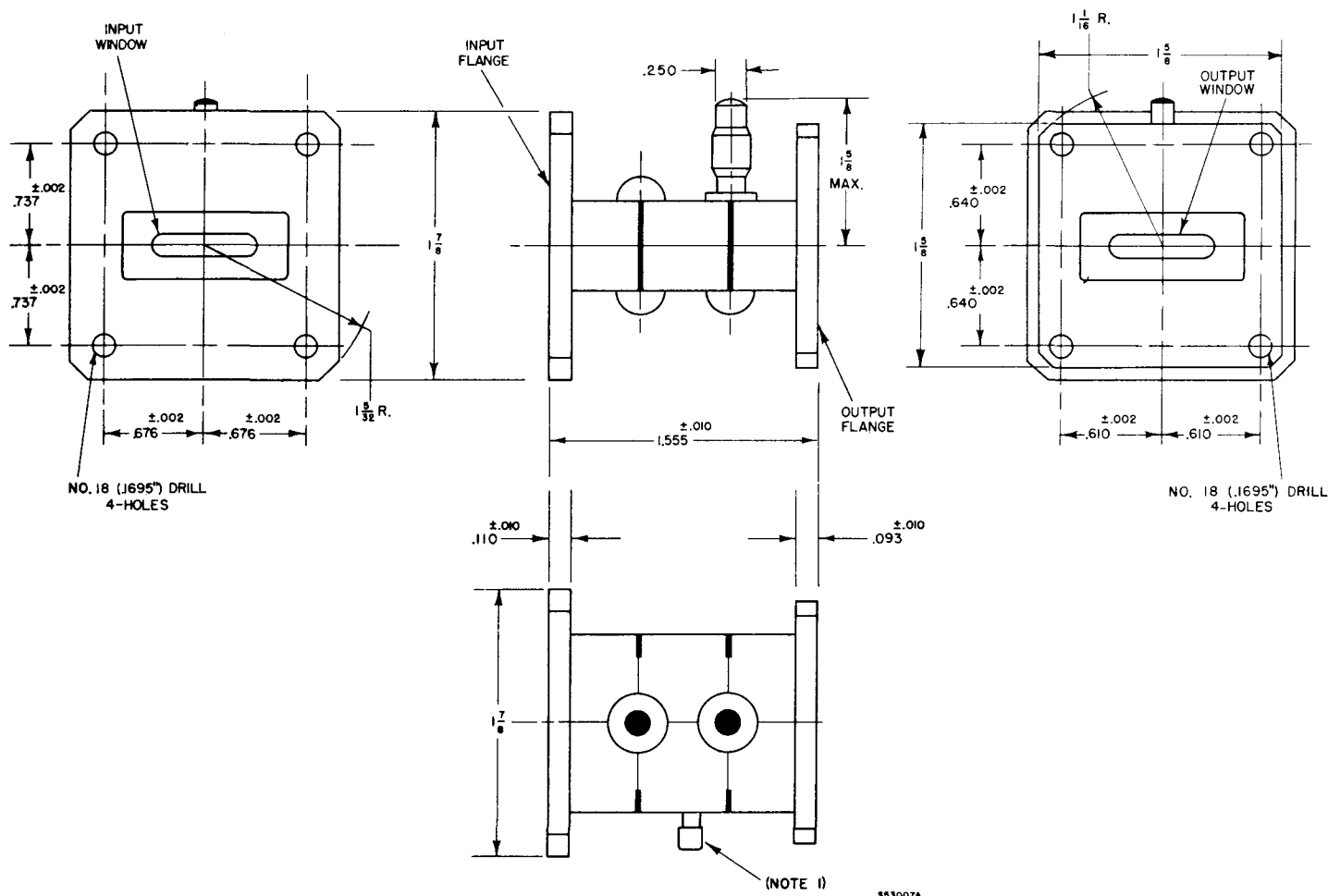


DIAGRAM NOTES:

1. Exhaust tube must not extend beyond the input flange more than 1/4 inch.