

engineering data service

electronics division

6035

DESCRIPTION

Sylvania Type 6035 is a fixed-tuned broad band transmit-receive tube which allows the same antenna to be used for transmitting and receiving microwave energy. Designed for use with the Sylvania type 1B35A or 1B37A, ATR, it is similar to the Sylvania type 1B63A except that the tube has the added advantage of being better able to withstand high humidity and service under corrosive conditions.

FREQUENCY RANGE 8490 to 9578 mc

IGNITOR CHARACTERISTICS

 Ignitor Open Circuit Voltage
 —650 Vdc min.

 Ignitor Current
 100 μa

 Ignitor Tube Drop
 200 to 375 volts

LOW POWER LEVEL UNFIRED CHARACTERISTICS

Insertion Loss 0.7 db max. Ignitor Interaction 0.2 db max.

HIGH POWER LEVEL FIRED CHARACTERISTICS

TEMPERATURE AND MECHANICAL CHARACTERISTICS

Ambient Temperature Range (non-operative): -40° to 100°C Mounting: Between standard rectangular rf choke flanges in 0.400" x 0.900" ID 0.050" WT waveguide.



SYLVANIA ELECTRIC PRODUCTS INC. ELECTRONICS DIVISION 1740 Broadway, New York 19, New York

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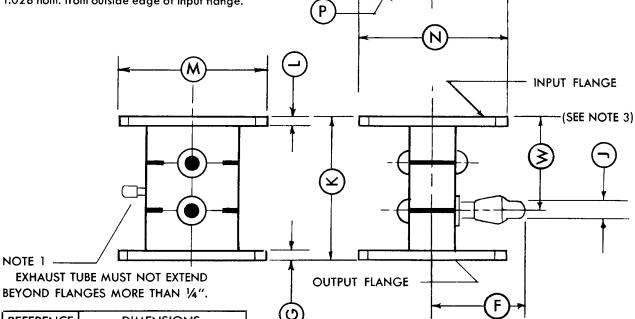
NOTE 2.

End flanges are parallel planes flat within 0.006 when measured within the area between concentric circles of 13/16 and 15/8. The area outside of the 15% circle may measure less than the minimum measured dimension by an additional 0.004.

NOTE 3.

NOTE 1 -

Ignitor terminal to fall within area defined by a reference circle of 3/8 max. dia. located 1.028 nom. from outside edge of input flange.



★#18 (.1695") DRILL 4-HOLES

INPUT WINDOW

REFERENCE	DIMENSIONS
Α	*8-32 NC-2 TAP, 4-HOLES
В	.610±.002
С	.610±.002
D	.640 ± .002
E	$.640 \pm .002$
F	1 1/8 MAX.
G	.093 ± .010
J	.250
K	$1.555 \pm .010$
L	.093 ± .010
М	1 5/8
N	1 5/8
Р	1 1/16 R.
S	.610±.002
T	.610±.002
U	.640 ± .002
V	.640±.002
W	1.028 NOM.

