SECURITY CLASSIFICATION  Confidential

Type 1B26
Tunable TR Tube

GENERAL CHARACTERISTICS

Electrical

Max. Ignitor Ignition Time  5 Seconds
Max. Insertion Loss  1.75 Decibels
Frequency Tuning Range  23630 - 24580 MC
Ignitor Voltage Drop for 100 
  Microamperes  235 - 450 Volts
Max. Peak Leakage Power  25 Milliwatts
Recovery Time - Loss of signal in  
  the tube 4 microseconds following the pulse shall be not more  
  than 3 db in excess of the loss  
  100 microseconds following the pulse.  
Ignitor Interaction, Max.  0.2 db

Mechanical

Ionizable Medium  Gas
Number of Electrodes  *2
Dimensions  See Outline
Mounting Position  Any

MAXIMUM RATINGS

Ignitor Open Circuit Voltage, DC  -750 to -1000 Volts
Ignitor Current  100 to 200 Microamps.
Ambient Temperature Range  -50°C to +100°C

* The two points at the center of the tube constitute an r-f  
gap, while the ignitor (at extreme end of reservoir and negative) and body constitute a dc gap used to produce ionization  
to help trigger the r-f gap.

Bloomfield, New Jersey  
December 5, 1945

from RMA release # 470, Feb. 11, 1946
IB26
SECURITY CLASSIFICATION-CONFIDENTIAL

CAP # C1-2
IGNITOR

GLASS RESERVOIR

NOTE
MAX. PROJECTION OF RESERVOIR LIES WITHIN A CYLINDER OF 1 1/4" DIA. WITH AXIS COLINEAR WITH TUBE AXIS

2 3/4" MAX.
2 5/16" MAX.
1/4" MAX.

1 17/32" MIN. .287"
±.002"

1/2" .120" DIA. ±.002"

.359" MIN.
.365" MAX.

1/8" MAX.

1/2" MIN. .287"
±.002"

.310" ±.005"

.241" ±.002"
.241" ±.002"

3/64" MAX.
13/16" MAX.

12-5-45