



SECURITY CLASSIFICATION Confidential

Type 1B26

Tunable TR Tube

GENERAL CHARACTERISTICS

Electrical

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

Mechanical

Ionizable Medium	<u>Gas</u>
Number of Electrodes	<u>*2</u>
Dimensions	<u>See Outline</u>
Mounting Position	<u>Any</u>

MAXIMUM RATINGS

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

* 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

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