



Type 1B24

TR Tube

GENERAL CHARACTERISTICSElectrical

Max. Ignitor Ignition Time	<u>5 Seconds</u>
Max. Insertion Loss	<u>1.5 Decibels</u>
Frequency Tuning Range	<u>8490 - 9600 Megacycles</u>
Ignitor Voltage Drop for 100 Microamperes	<u>325 - 450 Volts</u>
Max. Peak Leakage Power	<u>30 Milliwatts</u>
Max. Loaded Q	<u>350</u>
Recovery Time - Loss of signal in the tube four microseconds following the pulse shall not be more than 3 db in excess of the loss, 100 microseconds following the pulse.	
Ignitor Interaction, Max.	<u>0.2 Decibel</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 to +100°C</u>

\* The two points at the center of the tube constitute an rf 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 rf gap.

Bloomfield, New Jersey

December 5, 1945

# IB24

