Security Classification: Confidential

Type 1B49
Series Spark Gap

General Characteristics

**Electrical**

- Frequency Range: 120 - 2000 Cycles/Sec.
- Instantaneous Breakdown Voltage: 12.0 Kilovolts
- Initial Peak: 11.5 Kilovolts
- Recurrent Peak: 100 Volts
- Voltage Drop, Measured after .5 Microseconds: 7 Micro Microfarads
- Interelectrode Capacitance: Gas

**Mechanical**

- Ionizable Medium: 2 Cathode End Up and
- Number of Electrodes: Within 60° of Vertical
- Mounting Position: See Outline
- Dimensions: See Outline

Maximum Ratings

- Peak Power Dissipation: 45 Kilowatts
- Peak Current: 450 Amperes
- Average Power Dissipation: 25 Watts
- Average Current: 210 Milliamperes
- Frequency: 2000 Cycles/Sec.
- Ambient Temperature: -50 to +100°C.
- Duty Cycle: .001

Bloomfield, New Jersey

December 5, 1945

from RMA release # 470, Feb. 11, 1946
IB41, IB45, IB49