

SECURITY CLASSIFICATION Confidential

Type 1B49

Series Spark Gap

GENERAL CHARACTERISTICSElectrical

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

Mechanical

Ionizable Medium	<u>Gas</u>
Number of Electrodes	<u>2</u>
Mounting Position	<u>Cathode End Up and Within 60° of Vertical</u>
Dimensions	<u>See Outline</u>

MAXIMUM RATINGS

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

Bloomfield, New Jersey

December 5, 1945

IB41, IB45, IB49

