

ELECTRONIC TUBE REFERENCE

R34

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

SPARKGAPPULSESWITCH

Russian uncontrolled spark-gap switching/protection tube for overvoltage protection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 SparkGapPulseSwitch
No fixed ratings recorded. Uncontrolled spark-gap switching device; breakdown/spark voltage 1 kV, range 0.7–1.3 kV. Not an ordinary plate-voltage rating. Additional datasheet specifications (2026 Russian Spark Gap): Insulation resistance 100 MΩ; life 1000 pulses. Additional datasheet specifications: Insulation resistance 100 MΩ; life 1000 pulses.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Russian Spark Gap

Published test conditions and operating points. Values on this page are preserved as reported by this source.

2026 RUSSIAN SPARK GAP

Section 0 · SparkGapPulseSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage	0.7–1.3 kV	Spark-gap breakdown voltage, nominal with source minimum/maximum; not a conventional anode rating
Maximum pulse duration	60 μs	Published pulse duration; R24 nominal 4.5 μs, source range 4–5 μs

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse repetition rate	5 Hz	Nominal spark repetition frequency

TUBE TINKER

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