ELECTRONIC TUBE REFERENCE

R37

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
SPARKGAPPULSESWITCH

> Russian controlled spark-gap switching/protection tube for pulse commutation.

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.

*Controlled spark-gap switching device; breakdown/spark voltage 1.4 kV, range 0.8–2 kV. Not an ordinary plate-voltage rating. Additional datasheet specifications (2026 Russian Spark Gap): Commutated energy 1 J; life 2*10e5 pulses (as printed). Additional datasheet specifications: Commutated energy 1 J; life 2*10e5 pulses.*

SOURCE OPERATING CONDITIONS

2026 Russian Spark Gap

SOURCE PDF

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	**0.8–2 kV**	Spark-gap breakdown voltage, nominal with source minimum/maximum; not a conventional anode rating
Maximum pulse duration	**3 µs**	Published pulse duration; R24 nominal 4.5 µs, source range 4–5 µs

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse repetition rate	**0.5 Hz**	Nominal spark repetition frequency