

ELECTRONIC TUBE REFERENCE

ZR7519

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

SPARKGAPPULSESWITCH

Cold-cathode vacuum triggered spark gap for crowbar and capacitor-discharge switching. Triggered conduction handles large stored-energy pulses at high voltage.

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

SECTION1 SparkGapPulseSwitch	
MAXIMUM PLATE VOLTAGE	75000 V
MAXIMUM CATHODE CURRENT	50000 A
Published ratings and characteristics promoted semantically from the approved source.	

Cold-cathode vacuum triggered spark gap for crowbar and capacitor-discharge switching, capable of switching 26,000 joules at high voltage.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · SparkGapPulseSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	75000 V	—
Maximum Cathode Current	50000 A	—
Operating Voltage Minimum	1000 V	—
Operating Voltage Maximum	75000 V	—
Hold-Off Voltage Minimum	90000 V	Indefinite time
Peak Pulse Current	50000 A	—
Charge per Operation Maximum	0.7 C	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Switching Energy	26000 J	—
Heater Required	No	—

TUBE TINKER

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and their source documents.

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