

ELECTRONIC TUBE REFERENCE

ZR7518

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

SPARKGAPPULSESWITCH

Cold-cathode vacuum triggered spark gap for crowbar and energy-storage switching, capable of controlling extremely large stored-energy discharges 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	150000 V
MAXIMUM CATHODE CURRENT	100000 A
Published ratings and characteristics promoted semantically from the approved source.	

Cold-cathode vacuum triggered spark gap for crowbar and energy-storage switching, capable of switching 75,000 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	150000 V	—
Maximum Cathode Current	100000 A	—
Operating Voltage Minimum	2000 V	—
Operating Voltage Maximum	150000 V	—
Hold-Off Voltage Minimum	180000 V	Indefinite time
Peak Pulse Current	100000 A	—
Charge per Operation Maximum	1 C	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Switching Energy	75000 J	—
Heater Required	No	—

TUBE TINKER

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and their source documents.

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