ELECTRONIC TUBE REFERENCE

ZR7534

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
SPARKGAPPULSESWITCH

Ceramic-envelope cold-cathode vacuum triggered spark gap for high-voltage crowbar and energy-storage switching, designed for very large stored-energy discharges.

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	120000 V
MAXIMUM CATHODE CURRENT	100000 A

Published ratings and characteristics promoted semantically from the approved source.

Ceramic-envelope cold-cathode vacuum triggered spark gap for high-voltage crowbar and energy-storage switching, rated for 60,000 joules.

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	**120000 V**	—
Maximum Cathode Current	**100000 A**	—
Operating Voltage Minimum	**2000 V**	—
Operating Voltage Maximum	**120000 V**	—
Hold-Off Voltage Minimum	**150000 V**	Indefinite time
Peak Pulse Current	**100000 A**	—
Charge per Operation Maximum	**1 C**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Switching Energy	**60000 J**	—
Heater Required	**No**	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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