

ELECTRONIC TUBE REFERENCE

7964

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

Small cold-cathode gaseous triggered spark gap designed to switch stored electrical energy into low-impedance loads with short, rapid high-current pulses and low jitter.

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

SECTION 1	MicrowaveTRSwitch
<i>No fixed ratings recorded.</i>	
<i>Cold-cathode gaseous triggered spark gap; 3 kV, 18 J switching device.</i>	

Small cold-cathode gaseous triggered spark gap designed to switch stored electrical energy into low-impedance loads with short, rapid high-current pulses, low delay, and low jitter.



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 · Microwave TR Switch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main-gap operating voltage minimum	2 kV	Published datasheet value
Main-gap operating voltage maximum	2.6 kV	Published datasheet value
Trigger firing voltage minimum	5000 V	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hold-off voltage indefinite	3 kV	Published datasheet value
Peak ringing current maximum	1500 A	Pulse
Peak unidirectional current maximum	4000 A	Pulse
Pulse duration maximum	10 us	Pulse



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	—	2.0 to 2.6 kV

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak firing current	5 A	—