

ELECTRONIC TUBE REFERENCE

8138

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

Miniature cold-cathode gaseous triggered spark gap designed for high-voltage, high-current pulse switching in compact pulsed-power circuits.

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 MicrowaveTRSwitch
No fixed ratings recorded.
Triggered spark-gap values do not map to fixed tube-section electrode fields; retained in parameters.

Miniature cold-cathode gaseous triggered spark gap for high-voltage, high-current pulse switching.



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

Section 1 · Microwave TRSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MainGapOperatingVoltageMinimum	2 kV	—
MainGapOperatingVoltageMaximum	2.6 kV	—
MainGapStaticBreakdownVoltageMinimum	4.25 kV	—
MainGapStaticBreakdownVoltageMaximum	5.2 kV	—
MainGapPeakCurrent	4000 A	UnidirectionalPulse

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MainGapArcDropApproximate	60 V	—
DelayTime	2.5 us	Vapp=2400VDC
Jitter	0.5 us	—

TUBE TINKER

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and their source documents.

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