

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

1824A

Specialized - Switching Tube electronic tube

Integral-cavity tunable gas TR switch for pulsed microwave duplexers, protecting the receiver across approximately 8.49–9.6 GHz during transmitter pulses.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 MicrowaveTRSwitch

No fixed ratings recorded.

Representative electrical section; promoted values mapped from published ratings and characteristics where applicable.

Integral-cavity tunable gas switching TR tube for pulsed microwave duplexers, providing receiver protection over approximately 8490 to 9600 MHz.

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 · MicrowaveTRSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operational band minimum	8490 MHz	Published datasheet value
Operational band maximum	9600 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignitor starting voltage maximum	-1000 V	Published datasheet value
Leakage power maximum	30 mW	10 kW peak
Ignitor current maximum	200 uA	Published datasheet value

TUBE TINKER

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and their source documents.

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