

ELECTRONIC TUBE REFERENCE

TH2602

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

Specialized microwave TR-switching tube. Available source material establishes microwave switching service but does not identify a narrower operating band or application.

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.
Published electrical data audited and retained in parameter table.

The TH2602 is a fixed-tuned band-pass TR microwave tube for C-band radar service, incorporating an electromagnetically controlled shutter and handling high peak transmitted power.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · Microwave TR Switch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignitor current L Lo [1]	100 A	Ignitor current L Lo 100 200 MA
Ignitor current L Lo [2]	200 A	Ignitor current L Lo 100 200 MA
Open circuit ignitor voltage	-700 V	Open circuit ignitor voltage —700
Applied power, peak [1]	4 kW	Applied power, peak 4.0 300 kW
Applied power, peak [2]	300 kW	Applied power, peak 4.0 300 kW
Ignitor voltage drop (for [1])	100 V	Ignitor voltage drop (for 100 uA ignitor current) . . 200
Ignitor voltage drop (for [2])	200 V	Ignitor voltage drop (for 100 uA ignitor current) . . 200
power levels (incident peak power less than	1 kW	power levels (incident peak power less than 1 kW), It is not intended for applications involving the switching of
Eid = average ignitor voltage drop =	300 V	Eid = average ignitor voltage drop = 300 volts
Use [1]	1 V	Use 1 uF, 2500 V capacitor across shutter to reduce surge voltage on opening switch.
Use [2]	2500 V	Use 1 uF, 2500 V capacitor across shutter to reduce surge voltage on opening switch.

TUBE TINKER

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