

Gas-filled microwave TR/ATR switching tube for pulsed transmitter/receiver duplexer service, protecting or isolating receiver and transmitter paths during radar 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

SECTION 1 Microwave TR Switch
No fixed ratings recorded.
Electrical ratings/characteristics audited; additional published numeric data retained in parameter table.

TR gas switching tube of separate-cavity type, designed primarily for operation near 3000 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · MicrowaveTRSwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tuning range minimum	2600 MHz	—
Tuning range maximum	3000 MHz	—
Intrinsic Q minimum	2250	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Keep-alive starting voltage maximum	750 V	—
Maximum transmitter peak power	150 kW	—



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 · MicrowaveTRSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Le [1]	1	Le 1BR27 est accordable et & cavité extérieure. La gamme de fréquence couverte est
Le [2]	7	Le 1BR27 est accordable et & cavité extérieure. La gamme de fréquence couverte est
Fréquence nominale .iieeveeisocerosossccsonsesensoaersocnossconsossconcnrossns	2800 MHz	Fréquence nominale .iieeveeisocerosossccsonsesensoaersocnossconsossconcnrossns 2800 MHz
Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess [1]	2650 MHz	Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess 2650 3 2950 MHz
Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess [2]	3 MHz	Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess 2650 3 2950 MHz
Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess [3]	2950 MHz	Gamme de frEQUENCE .eusessvasovsorsvossosonsconssnsosnssssascnsssnsssnacnsess 2650 3 2950 MHz
Courant de l'igniteur..... {max	200 A	Courant de l'igniteur.....{max. 200
Tension dl'alimentation de l'igniteur en circuit ouvert c..ieceeivasneneveesenrcoead o _	4500 V	Tension dl'alimentation de l'igniteur en circuit ouvert c..ieceeivasneneveesenrcoead o _ 4500
Temps de désionisation pour un affaiblissement de	3	Temps de désionisation pour un affaiblissement de 3 dBueiereeseocncensons
Chute de tension de l'igniteur ([1]	100 V	Chute de tension de l'igniteur (100 PA)..eieisrevoversssssorssssseessasasnsess =415 & =525
Chute de tension de l'igniteur ([2]	415 V	Chute de tension de l'igniteur (100 PA)..eieisrevoversssssorssssseessasasnsess =415 & =525

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chute de tension de l'igniteur ([3]	525 V	Chute de tension de l'igniteur (100 PA)..eieisrevoversssssorssssseessasasnsess =415 & =525

TUBE TINKER

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and their source documents.

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