

ELECTRONIC TUBE REFERENCE

F3012

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MICROWAVETR SWITCH

Double gas-filled TR receiver-protection tube for X-band radar. Its discharge rapidly isolates sensitive receiver circuitry during high-power 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.	

The F3012 is a double pre-tuned TR tube for X-band radar receiver protection; its gas ionizes during transmission and ignitor electrodes assist the discharge.

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 TRSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	8490–9578 MHz	—
Shutter Protection	60 dB	—
Shutter Coil Voltage	28 V	—
Shutter Coil Current	250–310 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignitor Continuous Current Maximum	200 μ A	—
Ignitor Supply Voltage Minimum	1000 V	—