

ELECTRONIC TUBE REFERENCE

QF10

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

Separate-cavity L-band TR cell for radar duplexer protection, equivalent to American type 1B23. Gas discharge isolates the receiver during transmitter pulses.

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.

Published Ferranti ratings and characteristics promoted where applicable; additional electrical, pulse, regulator, microwave, and operating data retained as parameters.

Separate-cavity L-band T.R. cell for radar duplexer protection, equivalent to American type 1B23.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Microwave TRSwitch

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	400 MHz	—
Frequency maximum	1500 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum line/transmitter power	20 kW	—
Primer supply voltage maximum	-1500 V	—
Primer supply voltage minimum	-800 V	—
Primer current maximum	200 uA	—
Primer current minimum	100 uA	—
Insertion loss maximum	1.6 dB	—
Interaction loss maximum	0.2 dB	—
Primer operating voltage minimum	375 V	—
Primer operating voltage maximum	525 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Radar T.R. / receiver protection cell	—

TUBE TINKER

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and their source documents.

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