

Data Sheet

VES-DES-54565

MICROWAVE SWITCH

WR187 50Ω 5450-5650 MHz



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Features

- 5.45 to 5.65 GHz DPDT Waveguide Switch
- 22-32 VDC Nominal Voltage
- Switch Type: DPDT
- -40°C to +70°C Operating Temperature

Applications

- Electric Warfare
- Microwave Radio
- Test Instrument
- Research and Development



Generic photo used for illustration purposes only

Switch Type: DPDT

Control Mode/Interface	Electric/Manual (Y50X-0807)	Work Mode	Hold when power off
Voltage	22~32 V	Current	≤2 A
Switching Speed	≤100 ms	Switch Lifetime	≥100,000 times

Electrical Specifications at 25° C

Parameter	Specification	Unit
Frequency Range	5450-5650	MHz
VSWR (Max)	1.1	:1
Insertion Loss	≤0.1	dB
Isolation	80dB Min	dB
Power Handling (Design Guarantee)	500 W (CW) 5KW (Peak power)	W

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Mechanical Specifications

Parameter	Specification
Waveguide Type	WR187
Flange Type	FDM48/CPR187G (Grooved)
Material	Aluminum
Inside finish	Natural conductive oxidation

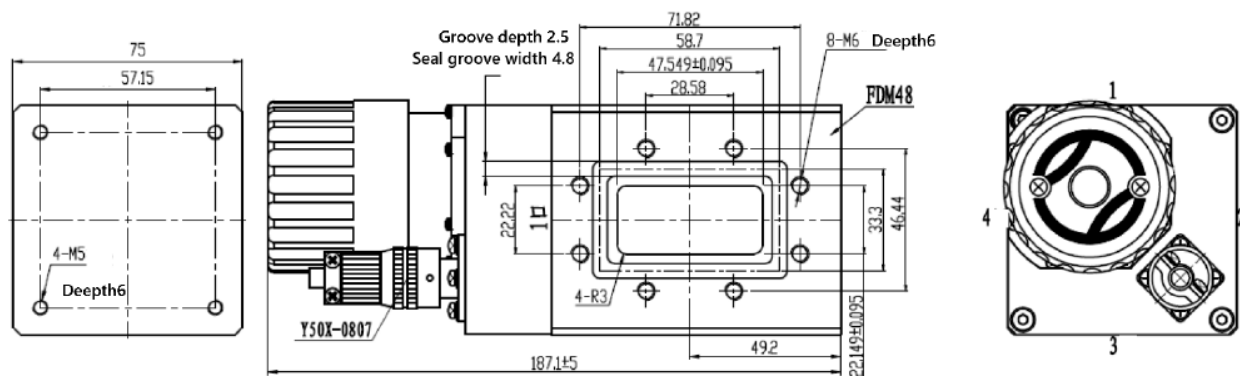
Environment

Operating Temperature	-40°C~+70°C	Storage Temperature	-55°C~+85°C
Relative Humidity	≤80%	IP Level	IP67

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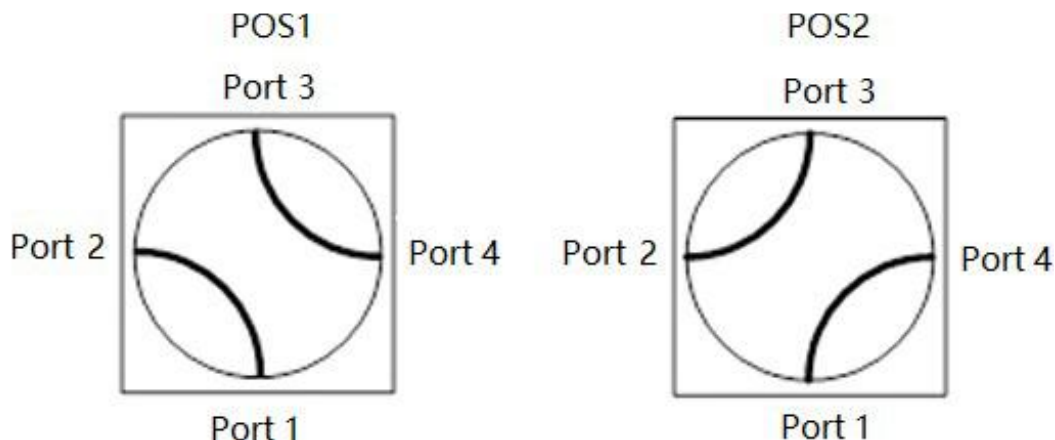
Outline Drawing Dimensions (mm)



Wiring Definition

Pin Definition	Funtion	Note
1	VCC1(22-32V)	VCC1 (POS1)
2	GND	Power Ground
3	VCC2(22-32V)	VCC2 (POS2)
4	J1	POS1: J1 and COM conducting
5	COM	Signal common port
6	J2	POS2: J2 and COM conducting

Port Status Diagram



Contact us

VIET ELECTRONIC TECHNOLOGY SOLUTIONS (VIETES CO., LTD)

No. 79, Lane 193 Trung Kinh, Yen Hoa, Hanoi, Vietnam.

www.vietes.vn

Email: info@vietes.vn

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