

Data Sheet

VES-SW-WR90

Relay SPDT Latching Switch – X band

Features

- 8.2 to 12.4 GHz SDPT Waveguide Switch
- 12 VDC Nominal Voltage
- Quick Connect Circular DC Connector with Mate
- -40°C to +85°C Operating Temperature

Applications

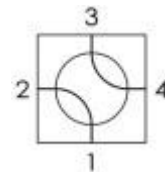
- Electric Warfare
- Microwave Radio
- Test Instrument
- Research and Development



Generic photo used for illustration purposes only

Electrical Specifications

Switch Type	SPDT
Actuator Type	Latching
Switching Sequence	Break Before Make



Electrical schematic

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2	-	12.4	GHz
Impedance	-	50	-	Ohm
Operating Voltage	10	12	20	Volt
VSWR	-	1.08	1.2	:1
Insertion Loss	-	0.2	-	dB
Isolation	-	80	-	dB
Switching Time	-	60	80	ms
Input Power (CW)	-	-	5	kW
Input Power (Peak) 10% Duty Cycle	-	-	123	kW

Viet Electronic technology solutions (VIETES Co., Ltd)

For detailed performance specs & Shopping online see Vietes web site: www.Vietes.vn

Mechanical Specifications

Size

Length	71.88 mm [2.830 in]
Width	60.50 mm [2.382 in]
Height	112.50 mm [4.429 in]
Weight	860 g

Configuration

Waveguide Size	WR-90
Flange Type	Square Cover
Flange Designation	UG-39/U
Body Material	Brass & Aluminum

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-55 to +100 deg C
IP Rating	IP67
Humidity	0-100%, Fully Weatherized

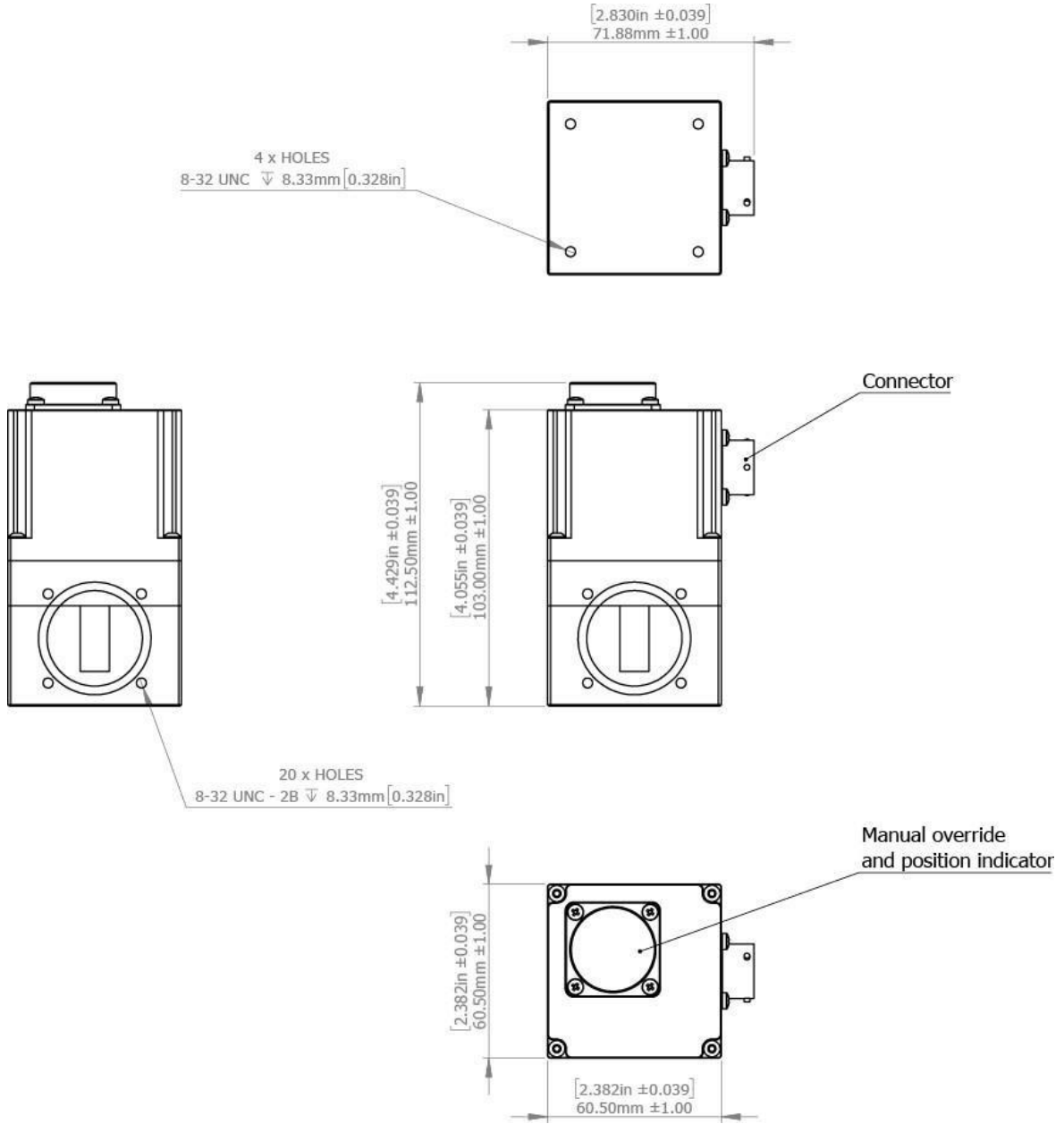
Plotted and Other Data

Notes:

- Values at +25°C, sea level.
- ESD Sensitive Material, Transport material in Approved ESD bags.
Handle only in approved ESD Workstation.

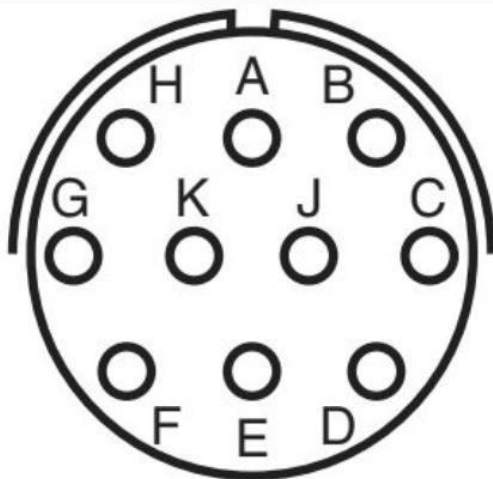


Outline Drawing Dimensions ([inch]/mm)



Functional Block Diagram

Pin	Function
A	Ind. Pos F (OUT)
B	Ind. Common (IN 5V)
C	Ind. Pos R (OUT)
D	Pos. F (Logic Command: IN 5V)
F	Pos. R (Logic Command: IN 5V)
J	- Vdc (Black)
H	+ Vdc (Red)
K	EGND
E	N-A
G	N-A



Connector
P/N: PTHS24VS060004

Contact us

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