VT500WDESMD

Vector Telecom

Waveguide Electromechanical Switch

Features:

- Full Waveguide Band Coverage
- DPDT, Optional SPDT Configuration
- Equipped with Position Indicator

Applications:

- Transmit-Receive system
- Electronic Countermeasures System
- Commercial Ground Stations

Electrical Specifications

Parameter	Minimum	Typical	Maximum	Units
Frequency	40		60	GHz
VSWR			1.2	
Insertion Loss			0.5	dB
Isolation	45			dB
Switch Time			80	ms
Current			1	A
Voltage	22	24	32	V

Mechanical Specifications

Parameter	Specifications
Waveguide Type	WR19
Flange Type	UG-383/U-M
Material	Brass
Inside Finish	Gold plating
Outside Finish	Black paint with control part
Weight	0.8 kg
Operating Temperature	-40°C~+70°C
Storage Temperature	-55°~ +85°C
Relative Humidity	80%
Switch Lifetime	100,000 times

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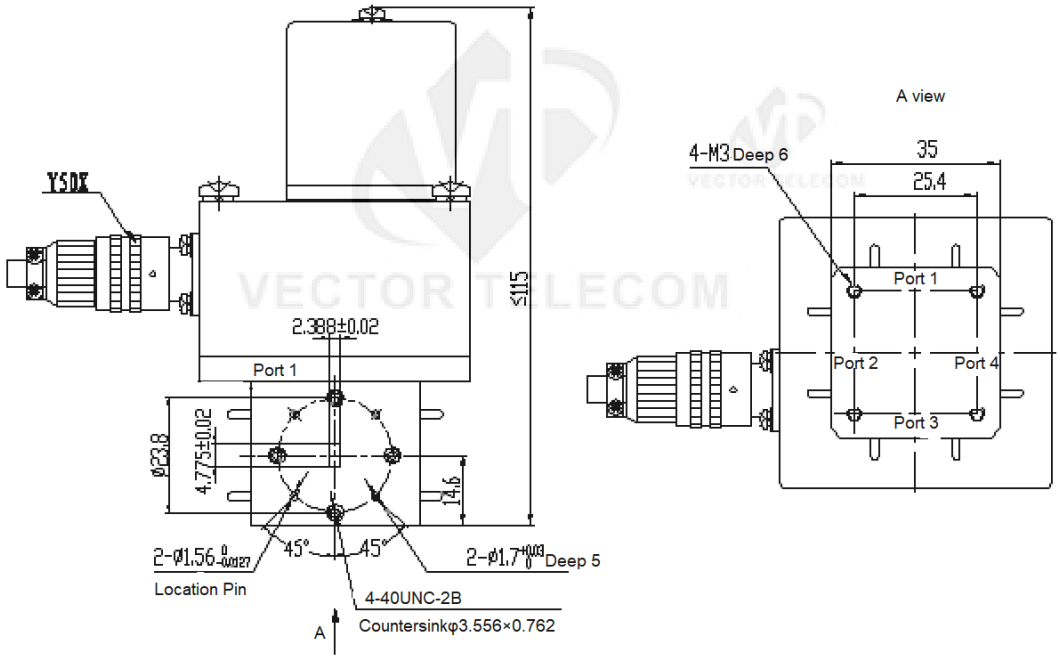
Outline Drawings (Unless otherwise specified, all dimensions are in millimeters)



Wiring Definition

Pin Definition	Function	Note
1	VCC1(24V)	VCC1(POS1)
2	GND	
3	VCC2(24V)	VCC2(POS2)
4	J1	POS1: J1 and J2 conducting POS1: J1 and J2 conducting
5	J2	
6	J3	

Revision History

Date	Revision	Changes
08-April-2021	1	First release

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