泰莱微波
Talent Microwave

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DPDT Waveguide Switch

Latching, 50 to 75 GHz, WR-15

Model: TWS-WR15

Electrical Characteristics:

Parameter	Min	Typ	Max	Unit
Frequency Range	50		75	GHz
Control Mode	Latching,Manual/Electric			
Switching time@TEM=25℃			50	ms
Standard Actuator Life	100000			Cycles
Actuator voltage Available		24		V DC
Actuator current		1		A

RF Specifications:

Parameter	Min	Typ	Max	Unit
Frequency Range	50		75	GHz
Insertion Loss			0.5	dB
Isolation	50			dB
VSWR			1.25	:1

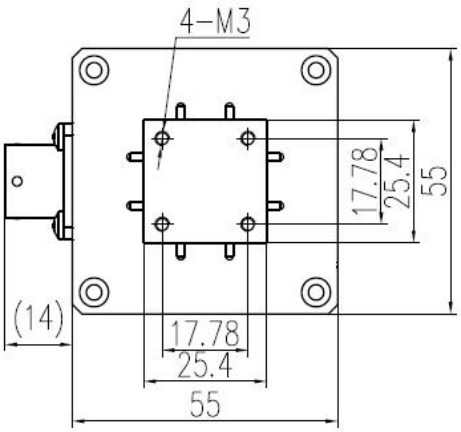
Envrionmental And Physical Characteristics:

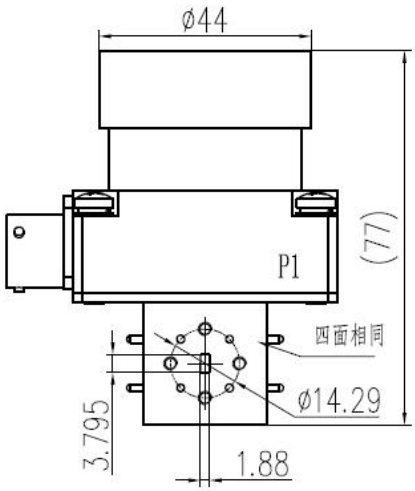
Parameter	Condition
Operating Temperature	-40°C to +70°C
Non-operating Temperature	-50°C to +80°C
Vibration(operating)	10G RMS, 20-2000HZ
Shock(non operating)	50G, 1/2Sine, 12msec
Connector Type	WR-15
Control Connector	TYB3112E10-6P

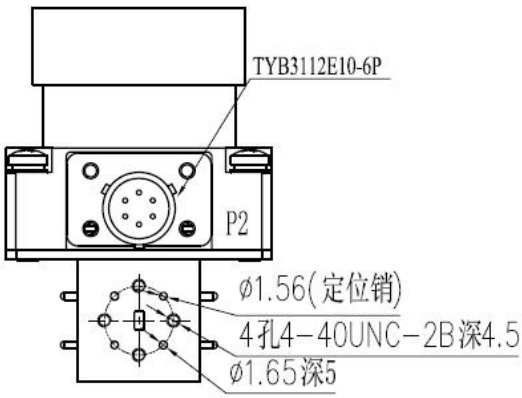
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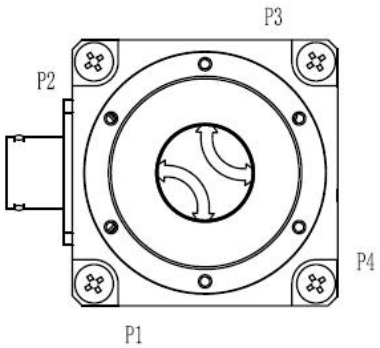
Outline Drawing:

Unit: mm



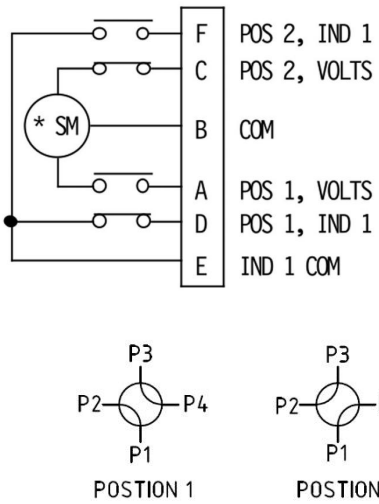






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Schematic:



MS3221E10-6P		RF Connect Used
Pin NO	FUNCTION	DPDT
A	V1 POSTION1	POS1:P1-P2,P3-P4
B	GND	
C	V2 POSTION2	POS2:P1-P4,P2-P3
D	IND POSTION1	D-E ON; E-F OFF
E	IND COM	
F	IND POSTION2	D-E OFF;E-F ON

Outline Drawing:

Part Number	Actuator voltage	Revision
TWS-WR15	24 V	Rev.1.0