

SWITCH BOX

SMA SPDT/SP4T Programmable/Control Tool

CONFIGURATION:

3 input – 10 output blocking matrix &
input ports not available to multiple
output ports at the same time



Specifications

MSW-V2440

MVE9213 (SPDT)

FREQUENCY RANGE	DC-2GHz	2-4GHz	4-8GHz	8-12GHz	12-18GHz
INSERTION LOSS(MAX.)	0.2 dB	0.2 dB	0.25 dB	0.35dB	0.40dB
VSWR(MAX.)	1.15:1	1.20:1	1.30:1	1.40:1	1.50:1
ISOLATION(MIN.)	90dB	80dB	75dB	65dB	60dB
RF INPUT POWER (MAX.)	50W	40W	30W	20W	10W

MVE9411 (SP4T)

FREQUENCY RANGE	DC-4GHz	4-8GHz	8-12.4GHz	12.4-18GHz	
INSERTION LOSS(MAX.)	0.25 dB	0.30 dB	0.4 dB	0.45dB	
VSWR(MAX.)	1.20:1	1.30:1	1.40:1	1.50:1	
ISOLATION(MIN.)	80 dB	75 dB	70 dB	65 dB	
RF INPUT POWER (MAX.)	40W	40W	40W	40W	

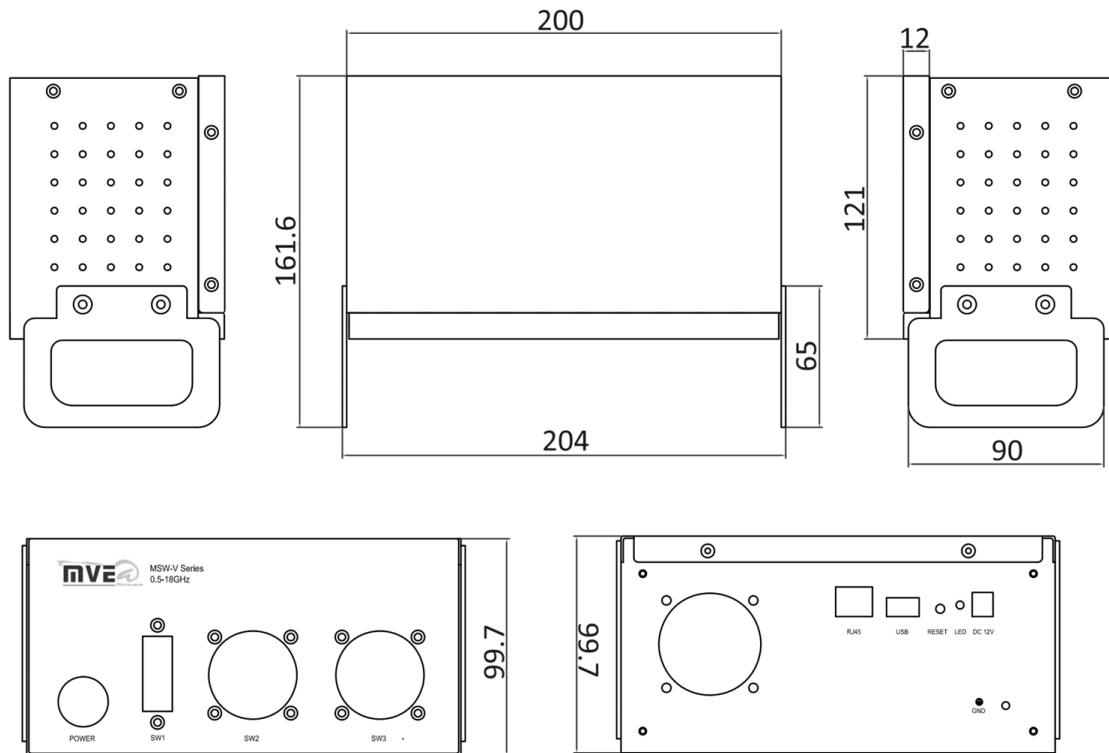
IMPEDANCE	50 Ohms
SWITCHING TIMES	SPDT <15ms TYP; SP4T <20ms
DC SUPPLY	DC 12V
CONTROL TYPE	Ethernet or USB
SOFTWARE UPDATE	Ethernet
LIFE CYCLES	1,000,000 MIN.(Standard warranty: 1 year)
CONNECTOR TYPE	SMA Female
WEIGHT	About 1kg

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE	0°C-+60°C
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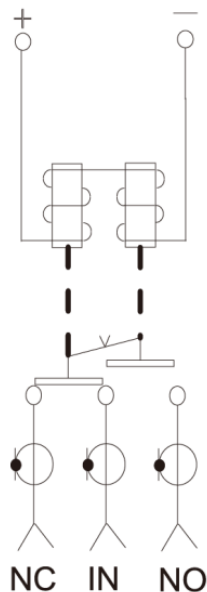
Tolerance: $\pm 5\%$

Outline Drawing: (mm)

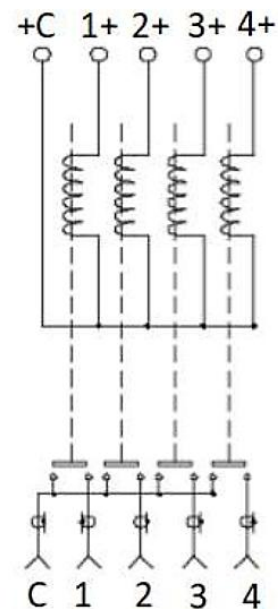


Electrical Schematic:

SPDT



SP4T



SWICH BOX Format

Port \ 指令	FORMAT	ANSWER
SW1-1	SS<space>1<space>1	>>S1:1
SW1-2	SS<space>1<space>2	>>S1:2
SW2-1	SS<space>2<space>1	>>S2:1
SW2-2	SS<space>2<space>2	>>S2:2
SW2-3	SS<space>2<space>3	>>S2:3
SW2-4	SS<space>2<space>4	>>S2:4
SW3-1	SS<space>3<space>1	>>S3:1
SW3-2	SS<space>3<space>2	>>S3:2
SW3-3	SS<space>3<space>3	>>S3:3
SW3-4	SS<space>3<space>4	>>S3:4
ALL OFF	ALL OFF	OK

Transmission Control Protocol:

Configuration Environment

All commands should be typed in halfwidth and should be ended by \r\n

<CR>= Carriage return <LF>= Line feed

SWITCH SETTING	
Format	SS x y<CR><LF>
Description	Setting the switch to the specific port x = switch number y = port number
Example	SS 1 1<CR><LF> Response: >>S1:1
SITUATION OF CURRENT SWITCH	
Format	RS x<CR><LF>
Description	x = switch number

Example	RS 1<CR> <LF> Response: >>S1:1
TOTAL SWITCHING TIME OF NO. SWITCH	
Format	SW x<CR><LF>
Description	x = switch number
Example	SW 1<CR> <LF> Response: >>S1:240 *The return number means resetting times of each port of # 1 switch**.
SN SEARCHING	
Format	SN?<CR><LF>
Description	Display serial number
Example	SN?<CR><LF> Response: >>C70002S
SWITCH OFF	
Format	ALL OFF
Description	Setting the switch port all off
Example	ALL OFF<CR><LF> Response: >>OK

*The format is for reference only

NOTES:

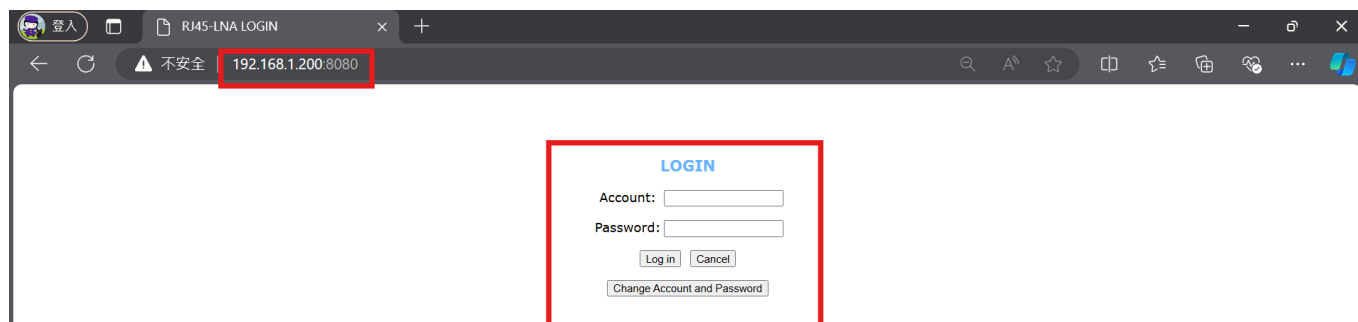
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

IP Setting

Default IP Address: 192.168.1.200:8080

Account: admin

Password: 12345678



- 1.Choose Ethernet section
- 2.Change IP Address 、 Subnet Mask 、 Gateway 、 Port Number
- 3.Apply

Marvelous Microwave Inc. Model Name: MSW-V Series	
Status Ethernet	Ethernet IP Type: Static IP Address: 192.168.1.200 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1 Primary DNS Server: 114.114.114.114 Secodary DNS Server: 119.29.29.29 NTP Server: - Network Mode: TCP Network Protocol: Server Remote Server: - Port Number: 4001 Apply Cancel

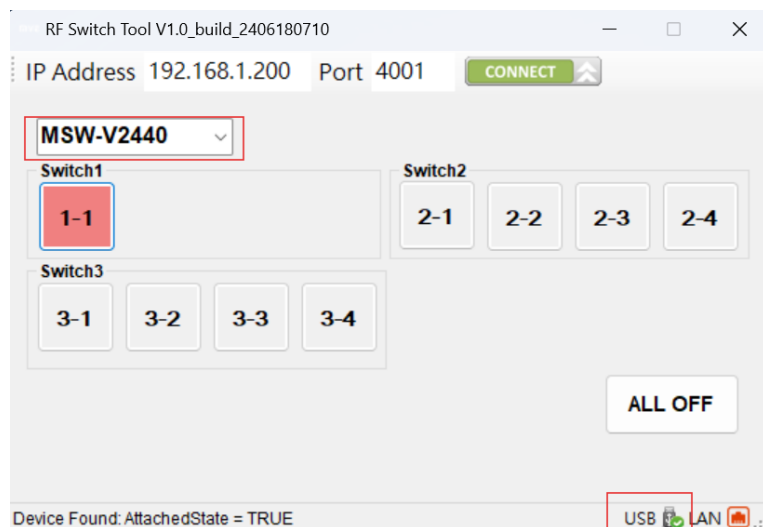
Switch Control Tool

	Switch Tool	Telnet
USB	O	X
Ethernet	O	O

Install RF Switch Tool



1.USB Control:



***If Unknow IP Address, Use USB Search IP Address With Switch Tool.**

2.Ethernet Control:

