

SWITCH BOX

SMA 1P-6-1T Programmable/Manual/Snap Ring

CONFIGURATION:

1 input -1 output blocking matrix & input ports not available to multiple output ports at the same time



Specifications

MSW-F205	
FREQUENCY RANGE	DC-18GHz
IMPEDANCE	50 Ohms
VSWR	2.2:1 @ 18GHz
INSERTION LOSS	4 dB MAX.
ISOLATION	60dB MIN. @ 18GHz
RF INPUT POWER	33dBm average
SWITCHING TIMES	20ms typ.
AC SUPPLY	100-240 VAC
CONTROL TYPE	LAN/Manual control and indicating light
SOFTWARE UPDATE	USB2.0
LIFE CYCLES	2,000,000 MIN. (Standard warranty: 1 year)
CONNECTOR TYPE	SMA Female
WEIGHT	About 3.0kg
ENVIRONMENTAL CHARACTERISTICS	
TEMPERATURE RANGE	0°C~ +60°C

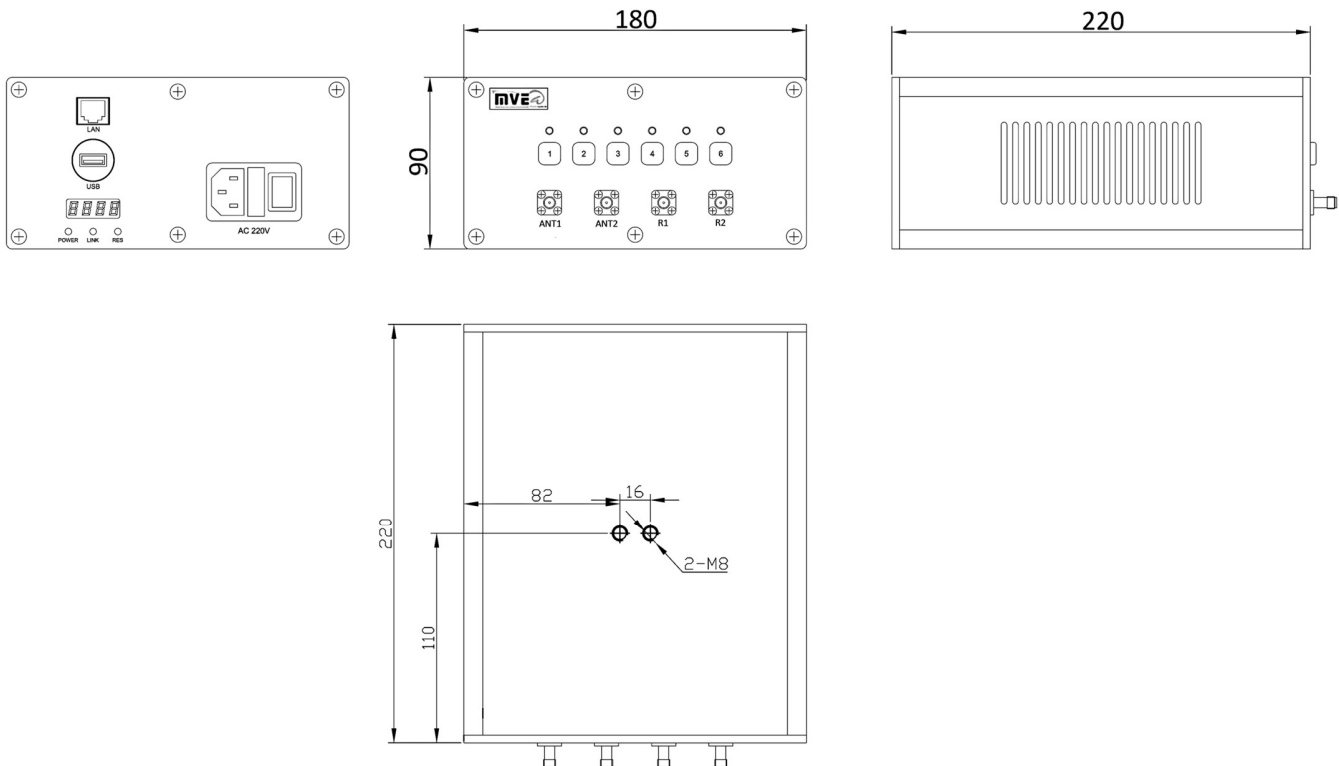
* The above is the switch box specifications do not include performance of filters.

Filter Options:

Items	Part Number	Specification
1	MFH-1000.18000.S2	SMA High Pass Filter 1000MHz To 18000MHz
2	MFH-3000.18000.S2	SMA High Pass Filter 3000MHz To 18000MHz
3	MFH-6500.18000.S2	SMA High Pass Filter 6500MHz To 18000MHz
4	MFH-10000.18000.S1	SMA High Pass Filter 10000MHz To 18000MHz
5	MVE2213-10	SMA 10dB Fixed Attenuator,2W DC-18GHz

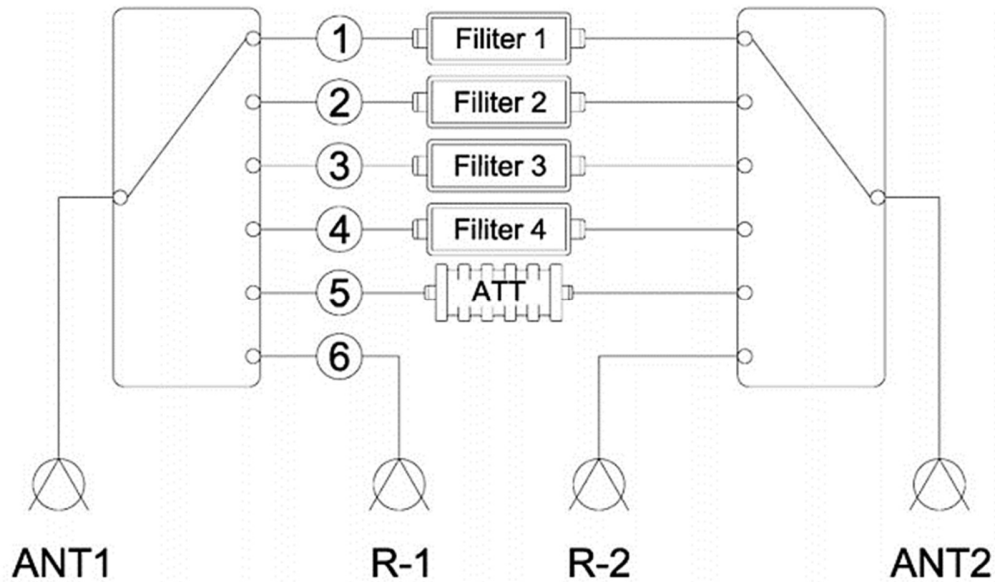
Tolerance: X= ±0.5

Outline Drawing: (mm)



▲CUSTOMER OUTLINE DRAWING&SIZE FOR REFERENCE ONLY

Electrical Schematic:



SWITCH BOX Format

Port	指令	CONNECT	FORMAT	ANSWER
1#		ANT1→FILTER1→ ANT2	SS<space>1<space>1	>>S1:1;
2#		ANT1→FILTER2→ ANT2	SS<space>1<space>2	>>S1:2;
3#		ANT1→FILTER3→ ANT2	SS<space>1<space>3	>>S1:3;
4#		ANT1→FILTER4→ ANT2	SS<space>1<space>4	>>S1:4;
5#		ANT1→ATT→ ANT2	SS<space>1<space>5	>>S1:5;
6#		ANT1→R-1 ANT2→R-1	SS<space>1<space>6	>>S1:6;
ALL OFF		ALL OFF	ALL OFF	ALL OFF

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

Telnet connecting Hardware	Network Cable
TCP port	4001
IP Address	Default IP: 192.168.1.200 Netmask :255.255.0.0 broadcast :192.168.1.1

IP SETTING	
Format	SetNETWORK <1>-<2>-<3>-<4>
Description	<1>: IP address <2>: broadcast <3>: netmask <4>: port
Response	SetNETWORK Success
Fail Response	SetNETWORK Fail
Example	SetNETWORK 192.168.1.200-192.168.1.1- 255.255.0.0-4001 Response: >>SetNETWORK Success
IP SEARCHING	
Format	LstNETWORK
Response	IP, NETGATE and NETMASK
Fail Response	None
Example	LstNETWORK Response: >>IP:192.168.1.200-NETGATE:192.168.1.1- NETMASK:255.255.0.0-PORT:4001
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: >>S1:61,58,10,10,10,0,111,10; *The return number means resetting times of each port of # 1 switch**.
SN SEARCHING	
Format	SN?<CR><LF>
Description	-
Example	SN?<CR><LF> Response: >>C70002S

*The format is for reference only