

SWITCH BOX

SMA SP-36T Programmable

CONFIGURATION:

1 input -36output blocking matrix & input ports not available to multiple output ports at the same time

Specifications

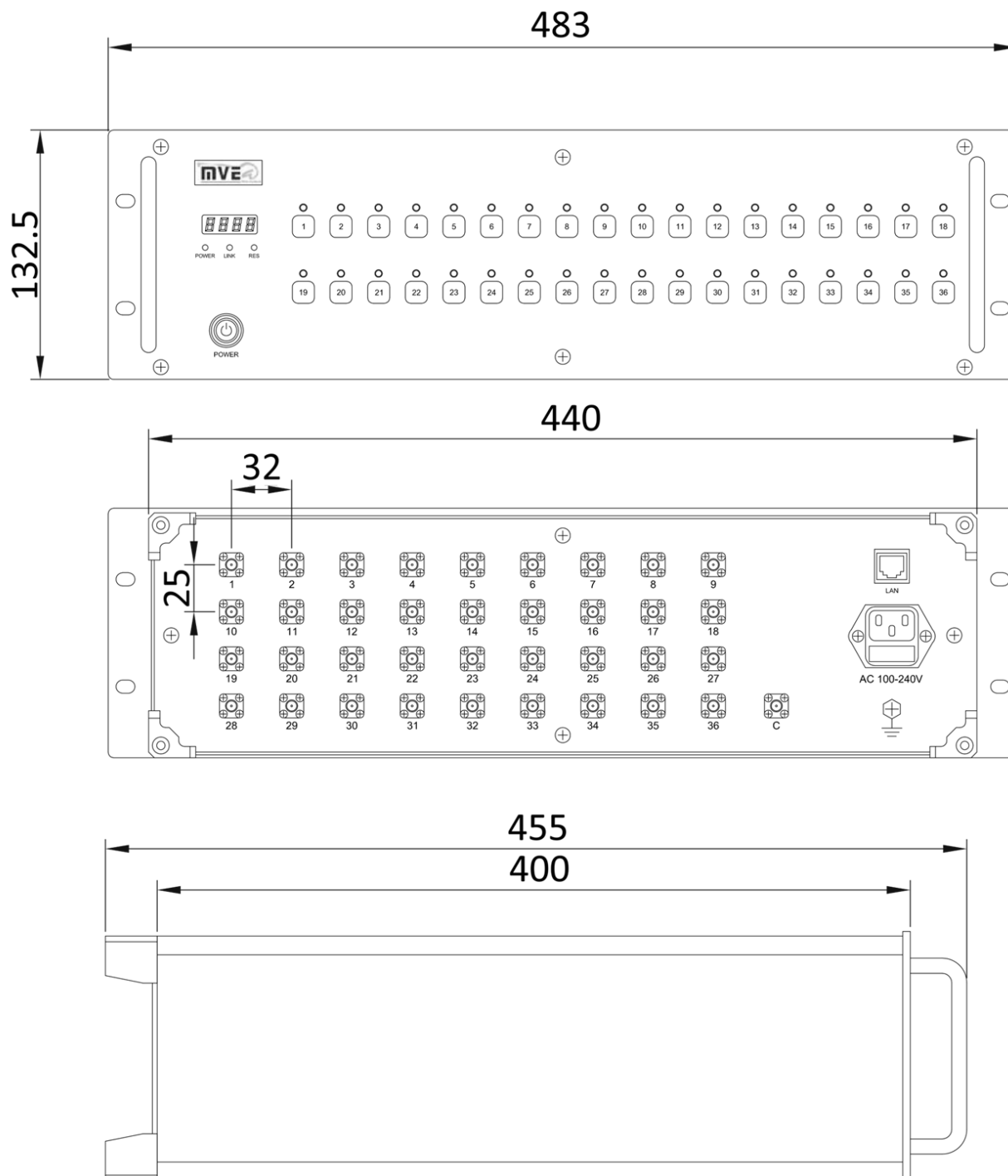
MSW-F215	
FREQUENCY RANGE	0.5-26.5GHz
VSWR(MAX.)	1.6 TYP. / 2.0 MAX.
INPUT POWER(MAX.)	15W
INSERTION LOSS(MAX.)	2dB@0.5-6GHz 4dB@6-18GHz 6dB@18-26.5GHz
ISOLATION(MIN.)	60dB@0.5-12GHz 50dB@12-26.5GHz
IMPEDANCE	50 Ohms
SWITCHING TIMES	20ms TYP.
AC SUPPLY	AC 100-240V
TYPE	TERMINATED
CONTROL TYPE	Manual / LAN(SCPI)
SOFTWARE UPDATE	LAN
LIFE CYCLES	2,000,000 MIN. (Standard warranty: 1 year)
CONNECTOR TYPE	SMA Female
ENVIRONMENTAL CHARACTERISTICS	
TEMPERATURE RANGE	0°C-+60°C

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



Tolerance: $\pm 2\%$

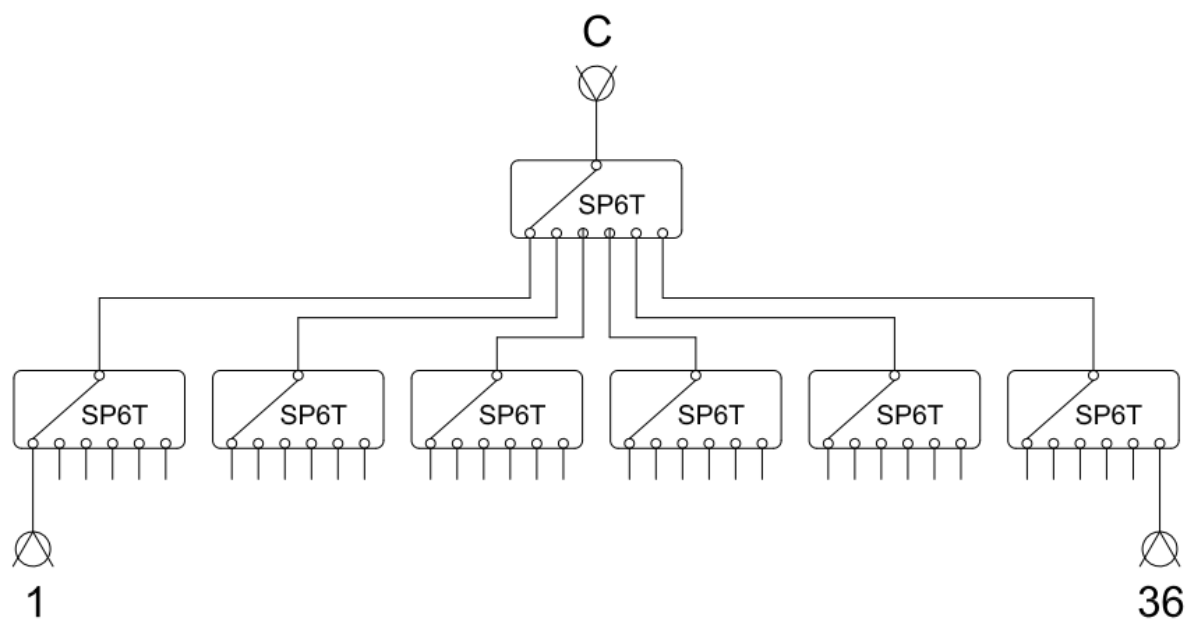
Outline Drawing: (mm)



Switch Specifications

SP6T SWITCH SPECIFICATIONS				
FREQUENCY RANGE	0.5-6GHz	6-12GHz	12-18GHz	18-26.5GHz
VSWR (MAX.)	1.3:1	1.4:1	1.5:1	1.6:1
INSERTION LOSS (MAX.)	0.3dB	0.4dB	0.5dB	0.6dB
ISOLATION (MIN.)	70dB	60dB	50dB	50dB

Electrical Schematic:



SWITCH BOX Format

port \ 指令	FORMAT	ANSWER
1#	SS<space>1<space>1	>>S1:1;
2#	SS<space>1<space>2	>>S1:2;
...	...	...
35#	SS<space>1<space>35	>>S1:35;
36#	SS<space>1<space>36	>>S1:36;
ALL OFF	ALL OFF	

Transmission Control Protocol:

Configuration Environment

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

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
TURN OFF ALL SWITCH COMMANDS	
Format	ALL OFF <CR><LF>
Description	All switches remain in the initial state
Example	ALL OFF<CR><LF> Response: >>OK

*The format is for reference only.

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