VMFDT5B-1000M/2000M-1-NF/NF-RS

FEATURES

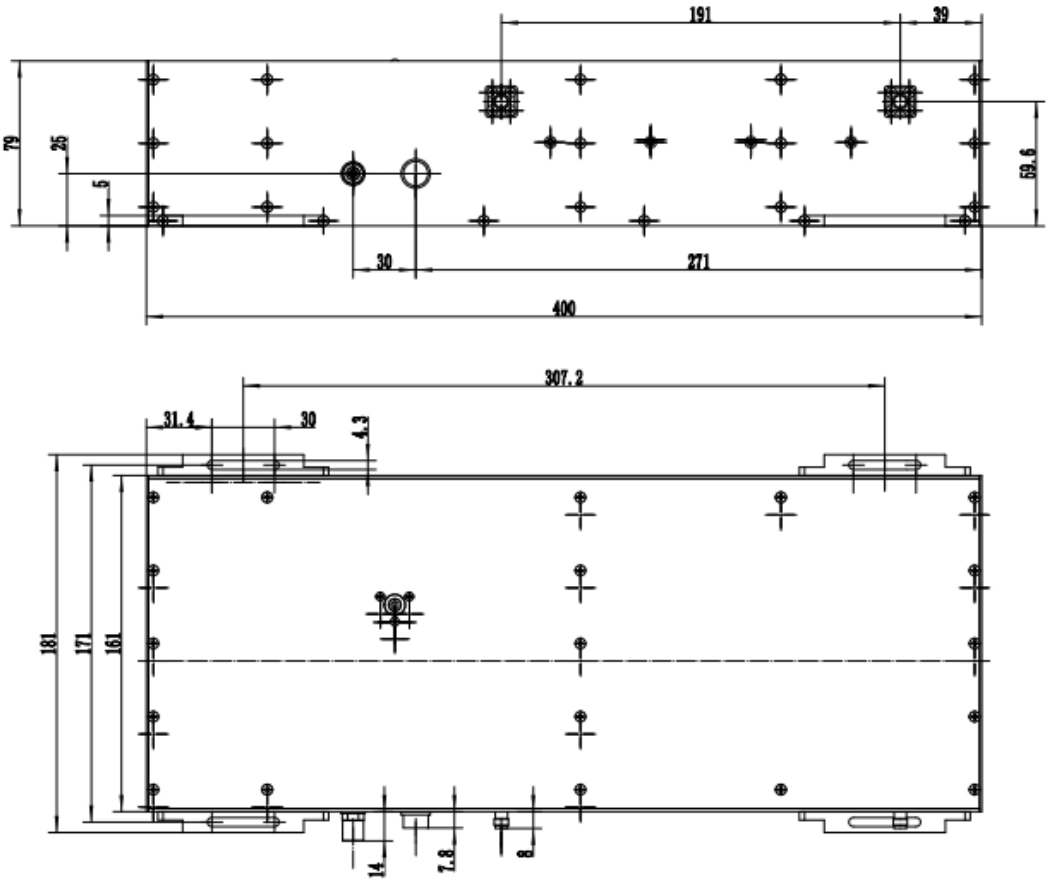
- Designed for Lab Use and Test Applications
- Manual and Digitally Controlled Versions Available

SPECIFICATIONS

Parameter	Unit	Min.	Typ.	Max.	Test Conditions
Tuning Frequency Range	MHz	1000	-	2000	
3dB BW	%	-	1	-	
Insertion Loss	dB	-	-	3.0	@1500MHz
30dB:3dB Ratio	:1	-	-	2.1	
50dB:3dB Ratio	:1	-	-	3.2	
VSWR	:1	-	-	1.5	
Number of Sections	-	5			
Impedance	Ω	50			
Power Handling	W	100			CW
Control Interface	-	RS485			
Voltage Supply	V	28			
Operation Temperature	℃	10	-	40	
Tuning Time	s	-	-	10	
RF Connector	-	N-K			
Weight	Kg	4.1			
Size	mm	400*161*79			

OUTLINE DRAWING

Unit: mm



INTERFACE DEFINITION

PIN Number	1	2	4	5	6
Function	+28V	PGND	SGND	RX485-	RX485+
PIN Number	**7**	**8**	**9**	**11**	**12**
Function	TX485-	TX485+	/	/	/

RS485 CONTROL DEFINITION

Serial port baud rate: 115200kbps

Set Frequency (MHz): Total 6 byte sent

0xFE 0x00 0x00 0x Frequency×10 High Byte 0x Frequency×10 Low Byte 0xAA

e.g.:

Set Frequency: 1000MHz

1000 * 10=10000（2710）

Sending Data：0xFE 0x00 0x00 0x27 0x10 0xAA

Set Frequency：2000MHz

2000 * 10= 20000（4E20）

Sending Data：0xFE 0x00 0x00 0x4E 0x20 0xAA

Set Frequency：3000MHz

3000 * 10=30000（7530）

Sending Data：0xFE 0x00 0x00 0x75 0x30 0xAA

Set Frequency：4000MHz

4000 * 10=40000（9C40）

Sending Data：0xFE 0x00 0x00 0x9C 0x40 0xAA

Set Frequency：5000MHz

5000 * 10=50000（C350）

Sending Data：0xFE 0x00 0x00 0xC3 0X50 0xAA

Set Frequency：6000MHz

6000 * 10=60000（EA60）

Sending Data：0xFE 0x00 0x00 0xEA 0x60 0xAA