RF Scanner

(10KHz~6GHz)

RF scanner can support to scan various signals come from wide-bandwidth from 10kHz to 6GHz and check the power level at 20MHz so as to get the users acknowledged.

It is normally used for **bugging detection device**.

Specification

RF Data		
Frequency range		10KHz~6GHz
RF input		
Input level		Typ. -90 ~ -10dBm
Impedance	10KHz~6GHz	50Ω
VSWR		≤3:1
Measurement Accuracy		
Frequency resolution		1KHz
Gain flatness	Full band	≤5dB
	Any 10MHz bandwidth	≤1dB
Electrical Spec.		
Conversion gain		Typ. 40dB
Gain flatness		±3dB max.
Spurious		-90dBm@full band
Current consumption	@+15V	560mA
Operating temp. range		0℃ ~ 50℃
Mechanical Spec.		
Size		157.6*(W)*144.3(D)*23(H)mm
Weight		806g
Mechanical Spec.		
Antenna input	10KHz~6.0GHz	SMA-F, 50Ω
Data control interface		TTL UART
Power supply	DC	12~24V, 2A

Line-Up

Model No.	Bandwidth
PTRFM-RS	10KHz~6GHz

Table#1. 15 pin DSUB Pin out

Pin No.	Definition	Description	In/Out	Range
1	GND	Ground	Input	GND
2	GND			
3	Reserved	NC	NC	NC
4	Reserved	NC	NC	NC
5	Reserved	NC	NC	NC
6	Reserved	NC	NC	NC
7	POWER	POWER INPUT	INPUT	DC 12V-24V
8	POWER	POWER INPUT	INPUT	DC 12V-24V
9	GND	Ground	Input	GND
10	Reserved	NC	NC	NC
11	Reserved	NC	NC	NC
12	Reserved	NC	NC	NC
13	Reserved	NC	NC	NC
14	Reserved	NC	NC	NC
15	POWER	POWER INPUT	INPUT	DC 12V-24V

Table#2. TTL Serial Pin out

Pin No.	Definition	Description	In/Out	Range
1	UART_TX	LVTTL Serial Uart	Output	LVTTL
2	UART_RX		Input	
3	Reserved	NC	NC	NC
4	GND	Ground		GND