KYL-600H High Performance Radio Modem User Manual

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Before using our products, please read the user manual carefully.

Any questions, please contact us at the above mentioned ways.

II. Features of KYL-600H

Data Sheet

- o Audio/data compatible
- o Double phase-lock loop, double VCO structure, high stability
- o Providing various MODEM communication agreements
- o Modulation: FSK/MSK
- o Metal shell metal, good shielding performance.
- o Sensibility: -119dBm
- o Carrier frequency: VHF/UHF/230MHz
- o Air data rate:1200/2400/4800bps
- o Interface: TTL/RS-232/RS-485 optional
- o Frequency stability: 2.5ppm
- o Number of Channels: 8/16/32 or more (optional)
- o Channel spacing: 25kHz
- o Antenna impedance: 50 ohm
- o Supply voltage: 12V
- o Power output: 5W (500mW-5W optional)
- o Temperature: -30 ~+70
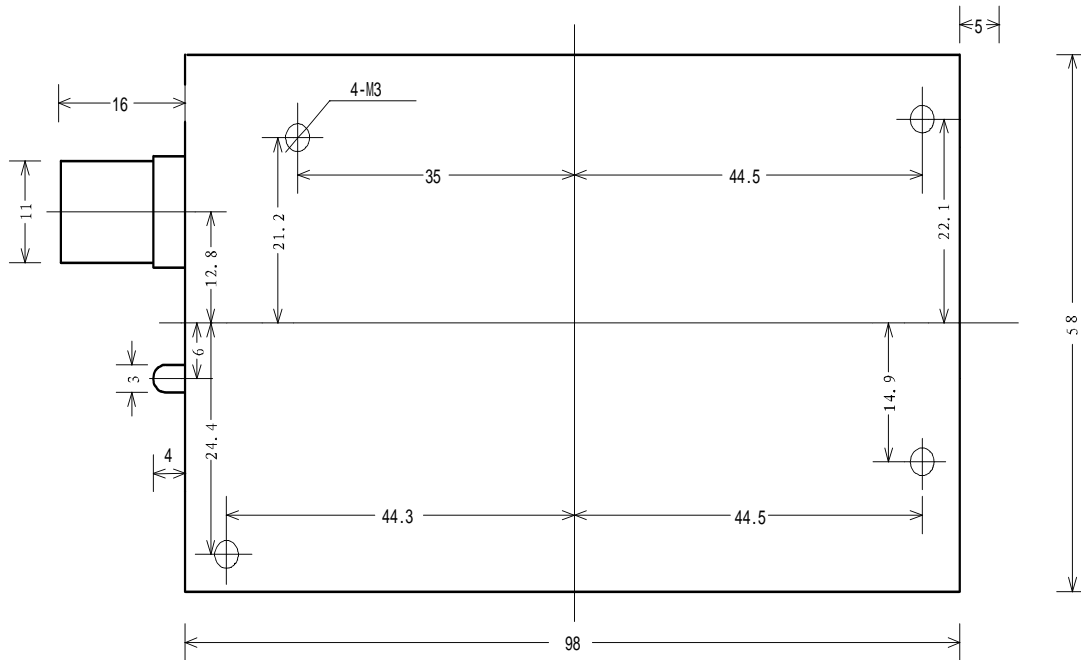- o Size: 96x58x18mm(without radiator)
- o Transmission distance 7-10Km

III. Applications of KYL-600H

KYL-600H is suitable for:
 * Wireless telemetry
 * Wireless remote control;
 * Wireless alarm system
 * Wireless POS, PDA, wireless smart terminals;
 * Oil field management; Building automation
 * Automatic Meter Reading (AMR)
 * Wireless security systems
 * Wireless data transmission, automatic data collection system;
 * LED display in thruway and public place
 * Intelligent transportation, wireless industry control and so on

. **How to use KYL-600H**

1. Installing Diagram

2. **Connection Definition with terminal**

The definitions and connection methods with terminals are shown in the following

Pin No.		Signal Name	Definition	Description	Remarks
Power	1	VCC	DC12V± 10%	Maximum transmission current: 2A	
	2	GND	Grounding of power supply		
Signal base	1	GND	Grounding of power signal		
	2	DATA RX	Data receiving	TTL RX / RS232 RX / RS485 A	Choose one
	3	DATA TX	Data transmitting	TTL TX / RS232 TX / RS485 B	
	4	PTT	Transmission control	For External control	
	5	AFOUT	Audio output	Audio	
	6	SQ	Carrier detect	TTL	
	7	NC	For expanding		
	8	NC	For expanding		