## U70 Datalink Module

30 mm



Dimension: 30×30×3mm Weight: 8 g

## **Features**

Support LoRa for Long Work Range & Low **Power Consumption** 

Work as TX/RX Mode

Adjustable Frequency from 410 to 470 MHz

Surface-Mounted Design and Small Size for Easy Integration

## **U70 Datalink Module**

The U70 datalink module is a RX/TX data link module with the entire range of 410-470 MHz, which supports LoRa modulation technique to provide a long work range and low power consumption. With the surface-mounted design and small size, it is easy for GNSS related integration.

| General             |                           |
|---------------------|---------------------------|
| Frequency Range     | 410-470 MHz               |
| Work Mode           | Half-duplex               |
| Frequency Stability | 1.5ppm                    |
| Modulation System   | CSS                       |
| Air Baud Rate       | 500bps/11000bps/12500bps/ |
|                     | 15500bps/18000bps         |
| Protocol Type       | LoRa                      |
|                     |                           |

| +3.3V ~ +3.6V DC |
|------------------|
| < 2A             |
| 50 mA            |
| 0.5W/1W/2W       |
|                  |

| Physical              |                         |
|-----------------------|-------------------------|
| I/O Interface         | LGA 2×22 pin, pin pitch |
| DTE-DCE Interface     | 1.27mm 3 × LVCMOS 3.3V  |
| Antenna Interface     | IPEX female connector   |
| Size (with connector) | 30×30×3mm               |
| Weight                | 8 g                     |

| Environmental         |                  |  |
|-----------------------|------------------|--|
| Operating Temperature | -40 °C to +75 °C |  |
| Storage Temperature   | -50 °C to +85 °C |  |

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