

Specific Low-Power Wireless Modules

920MHz

TS92

Technical compliance certification obtained



Low Power Radio Module ---TS series---

Wireless module with balanced speed and communication range,
allowing output power/transmission speed to be switched via command

Features

- Supports multi-channel communication
- Transmit power: Supports 1mW / 10mW / 20mW
- Transmission Speed: Supports 2.4k / 4.8k / 9.6k / 50kbps
- Supports switch formats with up to 4 contacts and Modem format for serial data available

Also available: No-command-required, procedure-free modems for data communication!

- Communication range in line of sight (2.4 kbps/10 mW):
Pattern antennas to pattern antennas: 200m or more
1/2λ external antennas: 1km or more
- Partial replacement with our TS2410/TS24A is possible

* Please contact us for customization, board design, etc.

new



TS92NH Series

4-button, 8-button, 14-button

(One-way, Loopback, Answerback)

External antenna: Construction design certification obtained



Electrical Specifications ;

Transmit power : 1mW/10mW/20mW (switchable)

Transmission Speed : 2.4k/4.8k/9.6k/50kbps (switchable)

Transmit/Receive Frequency : 920 MHz band

Channel Step 200kHz

Frequency Channels 37ch

Receive sensitivity -116 dBm or less @ 1% BER (2.4 kbps/FSK)

Modulation method FSK/4-GFSK

I/F Method Serial Communication (Asynchronous / CMOS Level)

SPI Communication (Slave)

Power Supply Voltage 2.1V to 3.6V *No reverse connection

Current Consumption Approx. 2μA or less (Sleep mode)

Approx. 1mA (Standby mode)

Approx. 27mA (Receive Mode)

Approx. 37mA (Transmit mode 10mW)

Approx. 29mA (Transmit mode 1mW)

Antenna Printed antenna or external antenna

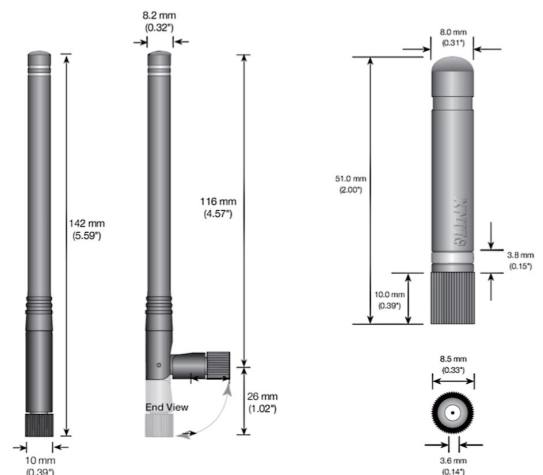
Dimensions 27 × 25 × 3.5 (Width × Height × Depth [mm])
*Excluding protrusions

Weight 3g (Printed Antenna) / 20g (External Antenna)

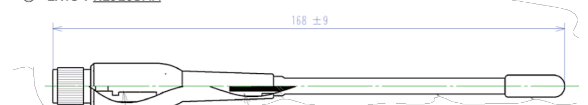
Operating Temperature -20°C to 60°C (no Condensation)

① EXT1 : ANT916-CW-HWR

② EXT2 : ANT916-CW-RH



③ EXT3 : NE920SMA



Nomura Engineering Co., Ltd.

Nomura Engineering Co., Ltd.

1-7-2 Shibuya, Yamato-shi, Kanagawa 242-0023
Tel: 046-244-0041 (Main) 046-244-0771 (Technical)
Fax: 046-244-3551
Email: info@nomura-e.co.jp
URL: <http://www.nomura-e.co.jp>