

Bluetooth® Module WML-C11 Class 1

Telecommunication component

OUTLINE

Wireless communication module conforming to Bluetooth® Ver. 1.1.
Notebook PCs, PC Peripherals, PDA, Access point.

*The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc.



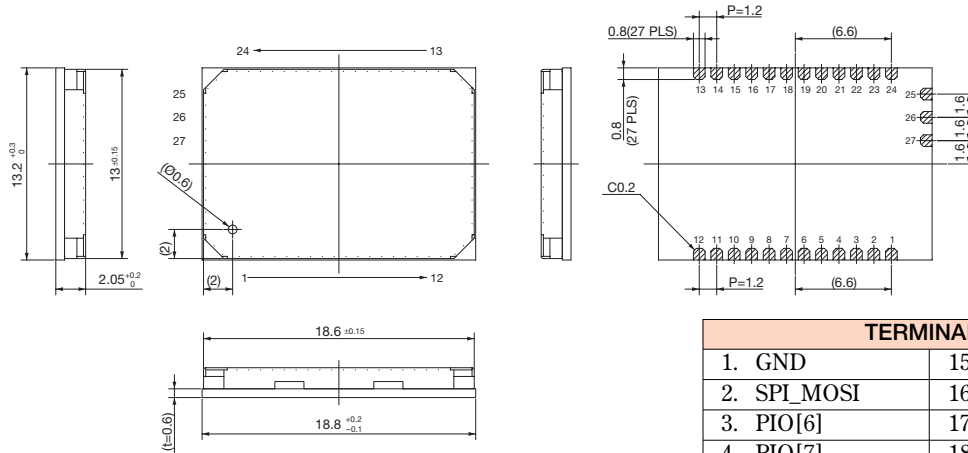
FEATURES

1. Reducing the size and thickness greatly due to the high-density surface mounting technology.
2. Long-distance communication due to its high sensitivity.
3. UART,USB and PCM interfaces available to various applications.
4. Conforms to FCC,CE and the EMI standard of each country.
5. Conforming to Bluetooth® Class1.
6. Operating temperature range : - 40~+70°C.
7. Two types of models: With/without an antenna are provided.

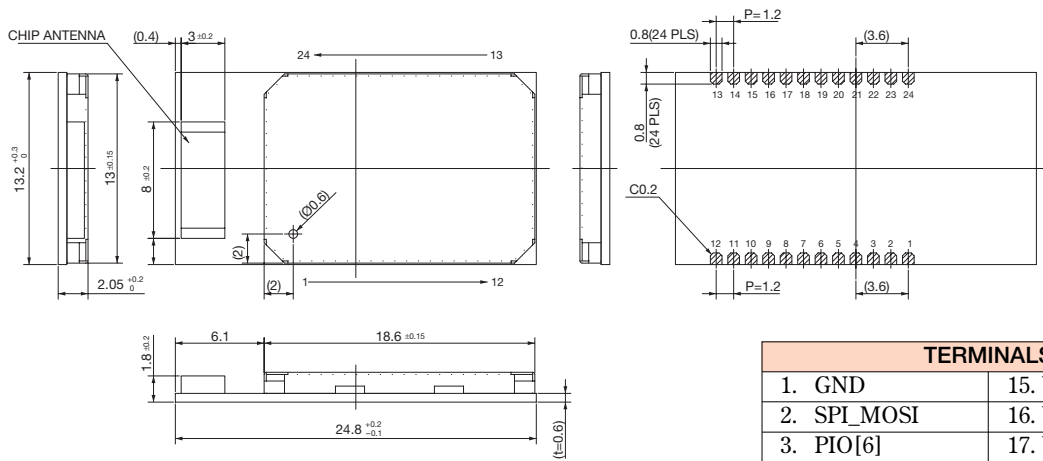
SPECIFICATIONS

| Item | Specifications |
|----------------------|---------------------------|
| Frequency | 2402 ~ 2480MHz |
| Modulation | FHSS/GSFK |
| Channel intervals | 1MHz |
| Number of channels | 79CH |
| Power supply voltage | 3.3V(3.2V~3.4V) |
| Current consumption | 200mA max. |
| Transmission rate | 721kbps |
| Receive sensitivity | -80dBm typ. |
| Output level(Class1) | 20dBm max. |
| Dimensions | Without an antenna |
| | With an antenna |
| | 13.2(W)×18.8(L)×2.05(H)mm |
| | 13.2(W)×24.8(L)×2.05(H)mm |

DIMENSIONS



| TERMINALS | |
|-------------|------------------------|
| 1. GND | 15. UART_RTS |
| 2. SPI_MOSI | 16. UART_CTS |
| 3. PIO[6] | 17. USB_D+ |
| 4. PIO[7] | 18. USB_D- |
| 5. RESET | 19. PIO[2]/USB_PULL_UP |
| 6. SPI_CLK | 20. PIO[3]/USB_RESUME |
| 7. PCM_CLK | 21. PIO[5] |
| 8. PCM_SYNC | 22. PIO[4] |
| 9. PCM_IN | 23. SPI_CSB |
| 10. PCM_OUT | 24. SPI_MISO |
| 11. VDD | 25. GND |
| 12. GND | 26. ANT |
| 13. UART_RX | 27. GND |
| 14. UART_TX | |



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Unit : mm

*For the technical details of the products in this page, please refer to Sales & Marketing Div., RF - Network Sales Div. Phone: 042-310-5441.