

Bluetooth® Module WML-C20 Class 1

Telecommunication component

OUTLINE

Wireless communication module conforming to Bluetooth® Ver. 1.1. This product acquires authentication in March, 2003.

Notebook PCs, PC Peripherals, PDA, Access point.

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



FEATURES

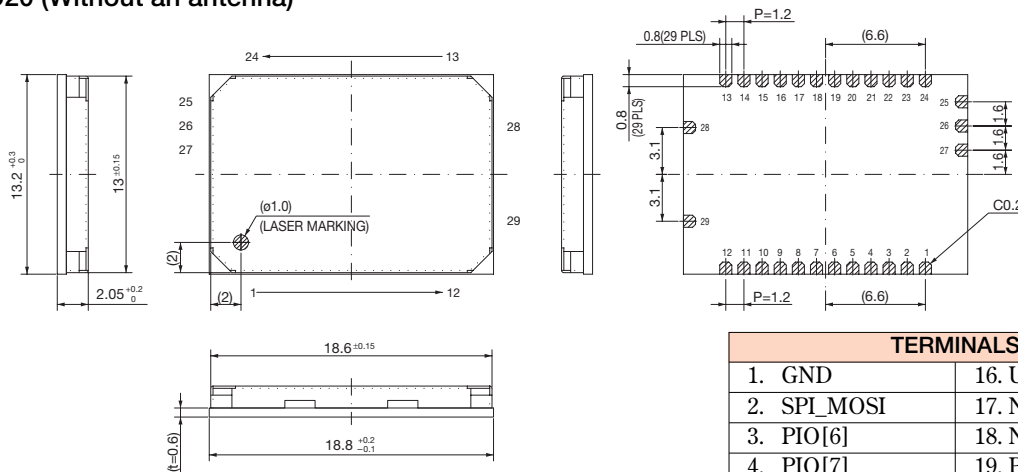
1. Reducing the size and thickness greatly due to the high-density surface mounting technology.
2. Long-distance communication due to its high sensitivity.
3. UART, USB and PCM interfaces available to various applications.
4. Built-in Flash-ROM was increased to 8Mbits, and the achievement of a wide application was enabled.
5. Conforms to FCC, CE and the EMI standard of each country.
6. Conforming to Bluetooth® Class1.
7. Operating temperature range : - 40~+70°C.

SPECIFICATIONS

Item	Specifications
Frequency	2402 ~ 2480MHz
Modulation	FHSS/GFSK
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	13.2(W)×18.8(L)×2.05(H)mm

DIMENSIONS

● WML-C20 (Without an antenna)



TERMINALS	
1. GND	16. UART_CTS
2. SPI_MOSI	17. N. C.
3. PIO[6]	18. N. C.
4. PIO[7]	19. PIO[2]
5. RESET	20. PIO[3]
6. SPI_CLK	21. PIO[5]
7. PCM_CLK	22. PIO[4]
8. PCM_SYNC	23. SPI_CSB
9. PCM_IN	24. SPI_MISO
10. PCM_OUT	25. GND
11. VDD	26. ANT
12. GND	27. GND
13. UART_RX	28. GND
14. UART_TX	29. GND
15. UART_RTS	

Unit : mm

*For the technical details of the products in this page, please refer to Sales & Marketing Div., Car Electric Sales Dept. Phone: 042-310-5691.