

# Bluetooth® Module WML-C40 Class 1

Telecommunication component

## OUTLINE

This is a wireless communications module that conforms to Bluetooth® Ver.2.0+EDR. Applications include laptops, PC peripheral devices, PDA, access points, etc.

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



## FEATURES

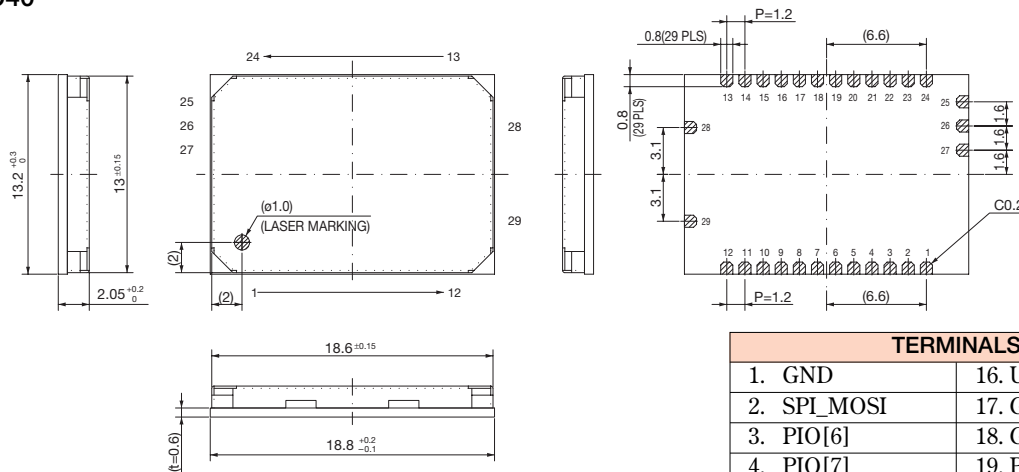
1. Reducing the size and thickness greatly due to the high-density surface mounting technology.
2. Long-distance communication due to its high sensitivity.
3. UART, PCM and USB interfaces allow realization of a wide variety of applications.
4. 8Mbits of Flash-ROM allow realization of a wide variety of applications.
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, $\pi/4$ DPSK, 8 DPSK
Channel intervals	1MHz
Number of channels	79CH
Power supply voltage	3.3V(3.2V~3.4V)
Current consumption	90mA typ.
Transmission rate	2178kbps max.
Receive sensitivity	-82dBm typ.
Output level(Class1)	20dBm max.
Dimensions	13.2(W)×18.8(L)×2.05(H)mm

# DIMENSIONS

● WML-C40



TERMINALS	
1. GND	16. UART_CTS
2. SPI_MOSI	17. GND
3. PIO[6]	18. GND
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., Components Promotion Dept. Phone: 042-310-5245.