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

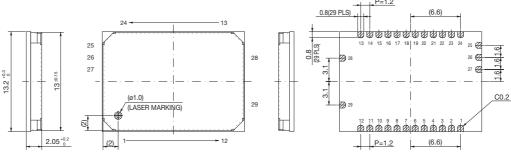
- -density O 1. Reducing the size and thickness greatly due to the high-density surface mounting technology.
- 2. Long-distance communication due to its high sensitivity.
- 3. UART, PCM and USB interfaces allow realization of a wide variety of applications.
- 4. 8Mbits of Flash-ROM allow realization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

SPECIFICATIONS

Item Specifications		
Frequency	2402 ~ 2480MHz	
Modulation	FHSS/GFSK, π/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



	18.6±0.15		
+			
=0.6)	18.8 +0.2		
ت			

18.6±0.15	TERM	TERMINALS	
	1. GND	16. UART_CTS	
	2. SPI_MOSI	17. GND	
(0) (0) (18.8 ±0.2 -0.1	3. PIO[6]	18. GND	
<u> </u>	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	
N A A A A A	9. PCM_IN	24. SPI_MISO	
	10. PCM_OUT	25. GND	
	11. V DD	26. ANT	
	12. GND	27. GND	
100	13. UART_RX	28. GND	
	14. UART_TX	29. GND	
	15. UART_RTS		