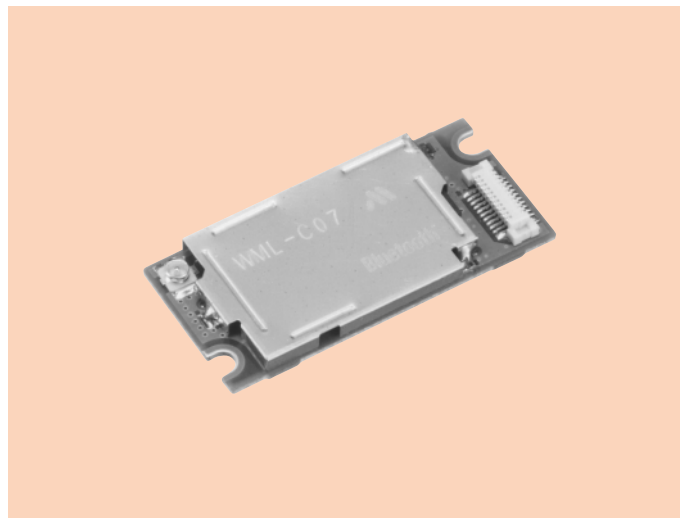**MITSUMI**

Bluetooth™ Module
WML-C07

Telecommunication component

OUTLINE

Wireless communication module conforming to Bluetooth Ver. 1.1. This product was Bluetooth standard certified in November, 2001. Applications include notebook PCs, PC peripheral equipment such as printers and terminal adapters, and various other types of equipment.

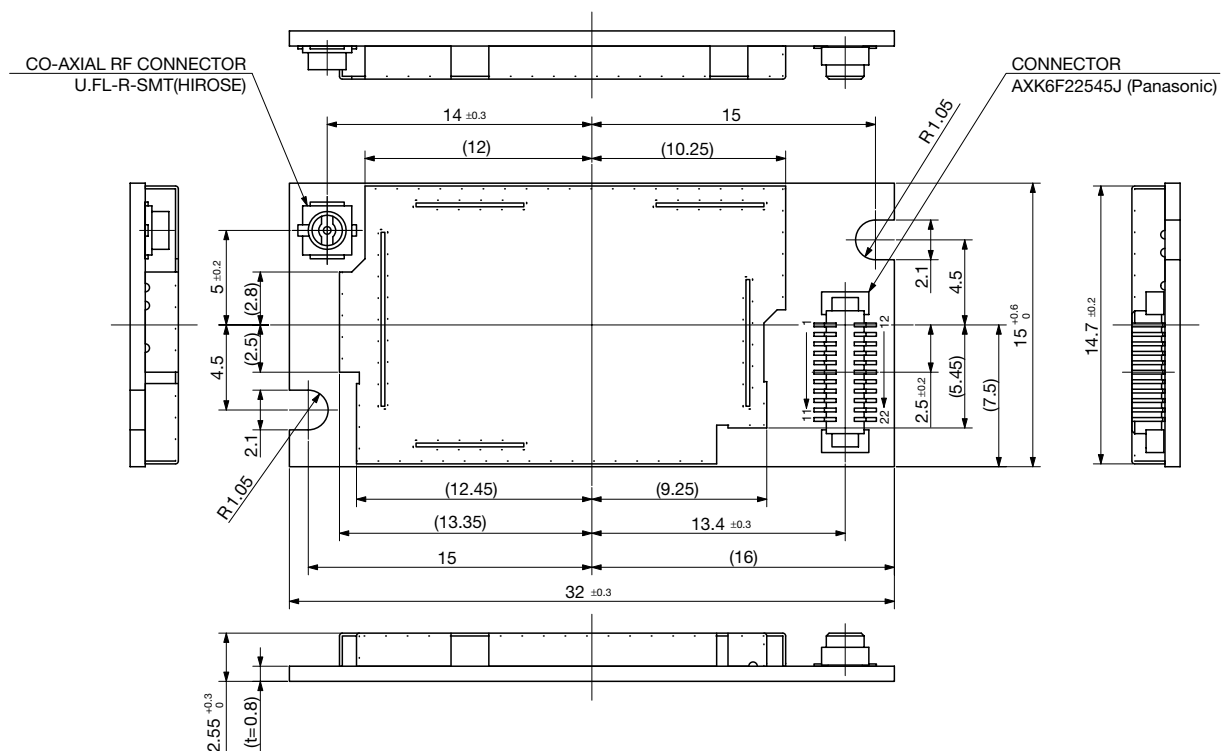*The "Bluetooth" trademarks are owned by Telefonaktiebolaget LM Ericsson, Sweden.

FEATURES

1. Ultra-small and thin size achieved through use of high density mounting technology.
2. Simple installation on the main unit, using only two screws.
3. High sensitivity supports communications of up to 100m.
4. UART, USB and PCMIF interfaces enable wide range of applications.
5. Conforms to FCC, CE and other countries'EMI standards.
6. Supports Bluetooth Class1 (CLASS 2-supporting WML-C06 also available).
7. Uses connector to connect to main unit.

SPECIFICATIONS

Item	Specifications
Frequency	2402 to 2480MHz
Modulation	FHSS/GFSK
Channel intervals	1MHz
Number of channels	79CH
Power supply voltage	3.3±0.1V
Transmission rate	721kbps
Receive sensitivity	−80dBm typ.
Output level (Class1)	20dBm max.

DIMENSIONS

CO-AXIAL RF CONNECTOR
U.FL-R-SMT(HIROSE)

CONNECTOR
AXK6F22545J (Panasonic)

Unit : mm

TERMINALS	
1. GND	12. VDDc
2. UART_RX	13. UART_CTS/USB_D−
3. SPI_MISO	14. UART_RTS/USB_D+
4. SPI_CLK	15. UART_TX
5. SPI_MOSI	16. PIO [3] /USB_WAKE_UP
6. PIO [4] /USB_ON	17. PIO [2] /USB_PULL_UP
7. SPI_CSB	18. PIO [7]
8. PCM_CLK	19. PCM_SYNC
9. PIO [5] /USB_DETACH	20. PCM_IN
10. PIO [6]	21. PCM_OUT
11. VDD_PA	22. RESET_IN (NC)

*For the technical details of the products in this page, please refer to Sales promotion Dept., TOCHIGI MITSUMI Co., Ltd. Phone: 0283 (23) 3332.