

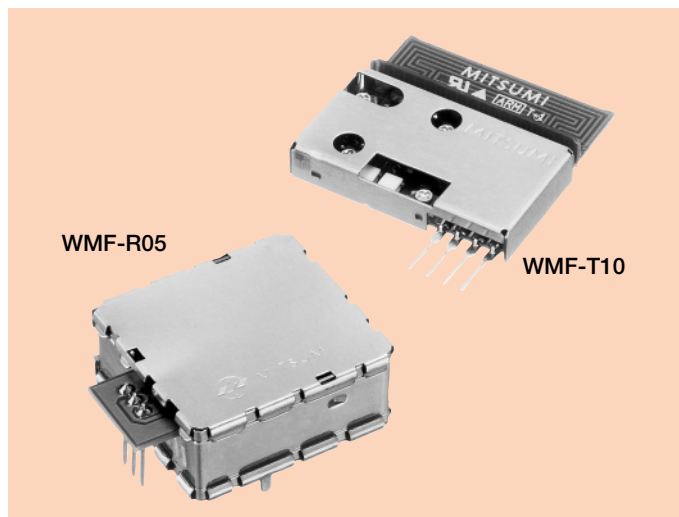
# 49MHz Band Transmitting-Receiving Module Conforming to FCC WMF-T10, R05

Telecommunication component

## OUTLINE

WMF series small electric wave type transceiver modules have been developed as a wireless controller for PC.

Since these modules can be freely and directly soldered on PC boards, a non-directional wireless control system can easily be realized.



## FEATURES

### ● Transmitting Module (WMF-T10)

1. Thin and lightweight.
2. 3V supply voltage.
3. Can be directly soldered on PC boards.
4. Low current consumption 10mA (typ.).
5. Can be paired with receiving module (WMF-R05).
6. Quick rise-time (2mS) with strobe terminals.

### ● Receiving Module (WMF-R05)

1. Thin and lightweight.
2. 5V supply voltage.
3. Can be directly soldered on PC boards.
4. TTL level data output.
5. Can be paired with transmitting module (WMF-T10).

## SPECIFICATIONS

### ● Transmitting Module (WMF-T10)

Item		Specifications			Remarks
		min.	typ.	max.	
Transmitting Frequency		49.8660MHz	49.8675MHz	49.8690MHz	
Transmitting Output				80dB $\mu$ V/m	at 3m
Deviation Width		1.0kHz	1.5kHz	2.0kHz	FSK
Data Input Level	HIGH	2.7V			
	LOW			0.4V	
Supply Voltage		2.7V		3.3V	
Current Consumption			10mA	14mA	
Transmission Rate				4800bps	
Set-up Time			2ms	5ms	

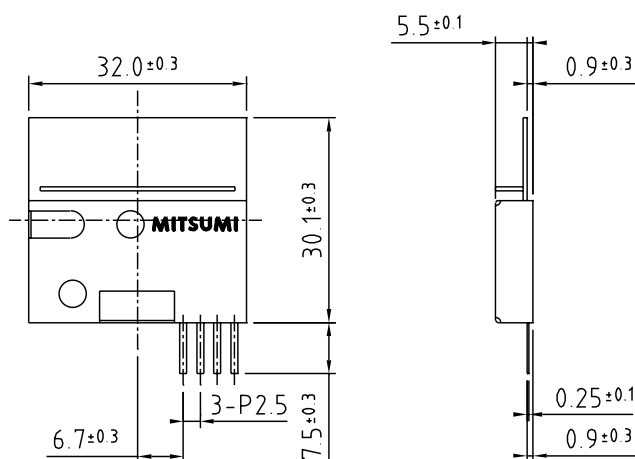
## 49MHz Band Transmitting-Receiving Module Conforming to FCC

### ● Receiving Module (WMF-R05)

Item	Specifications			Remarks
	min.	typ.	max.	
Receiving Frequency	49.8660MHz	49.8675MHz	49.8690MHz	
Sensitivity			12dBμ	BER = 0.01 (4800dps PN9)
Spurious Response	35dB			
Data Output Level	HIGH			
	LOW		0.4V	
Current Consumption		7mA	10mA	
Demodulated Transmission Rate			4800bps	

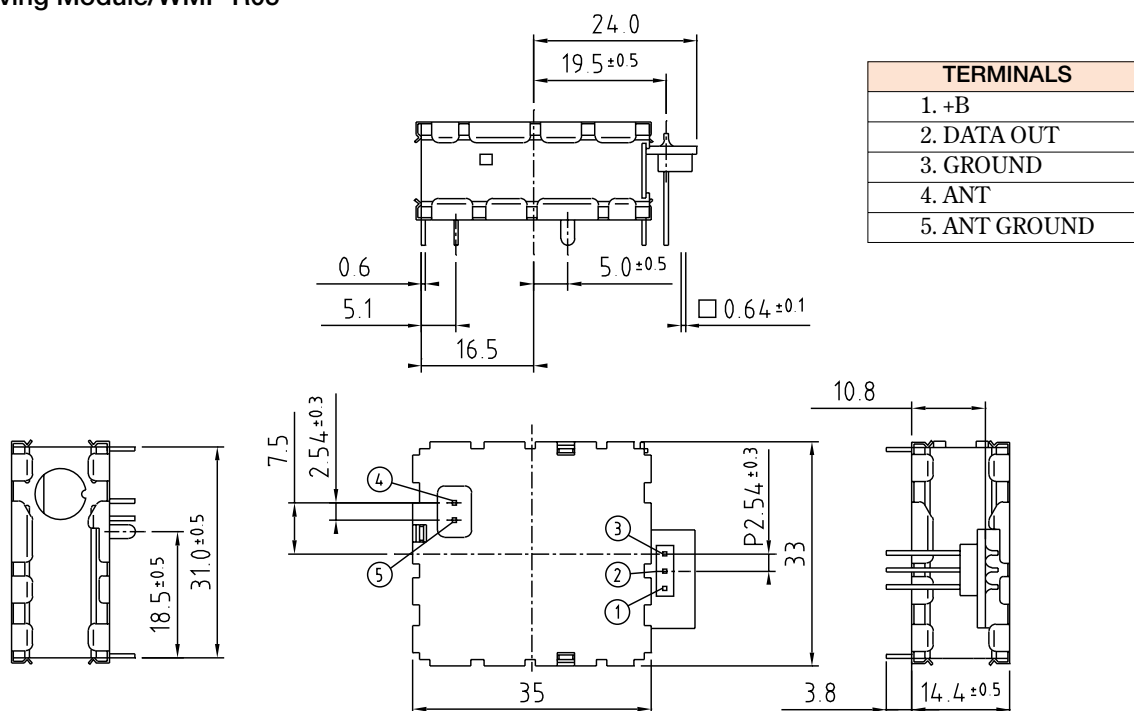
## DIMENSIONS

### ● Transmitting Module/WMF-T10



TERMINALS	
1.	GND
2.	+B (3V)
3.	STROBE
4.	DATA IN

### ● Receiving Module/WMF-R05



TERMINALS	
1.	+B
2.	DATA OUT
3.	GROUND
4.	ANT
5.	ANT GROUND

Unit : mm