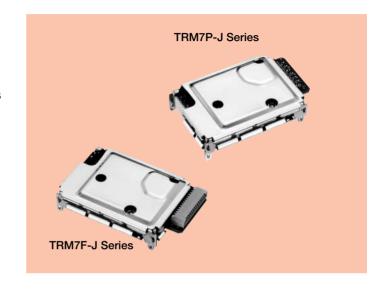
# RF Module for Cordless Telephone in Japan Use

# TRM7P/F-J Series

Telecommunication component

#### OUTLINE

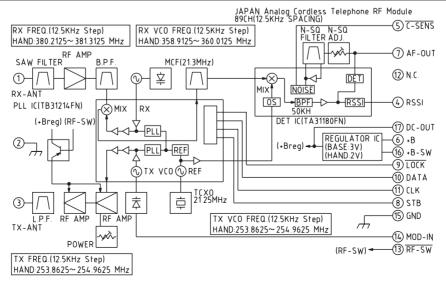
The MITSUMI TRM7P/F-J series have been developed by modifying the transmitting/receiving circuit, audio modulator and demodulator circuit, and PLL circuit of the Japanese market-oriented small power cordless telephones into compact and light weight modules.



#### **FEATURES**

- 1. For small power cordless telephones in the Japanese market. (Frequency bands used 250MHz and 380MHz.)
- 2. Achieves 8cc capacity.
- 3. Ultra-small, Ultra-thin (39×28×8: Except Connector Part).
- 4. Light weight, at 13g
- 5. Two types of mounting configurations are available: the board mounting type (TRM7P) and FPC connector type (TRM7F).
- 6. Low current consumption and low voltage operation. (Built-in 2V regulator) Also, the design supports uniaxial and bi-axial antennas.

## BLOCK DIAGRAM

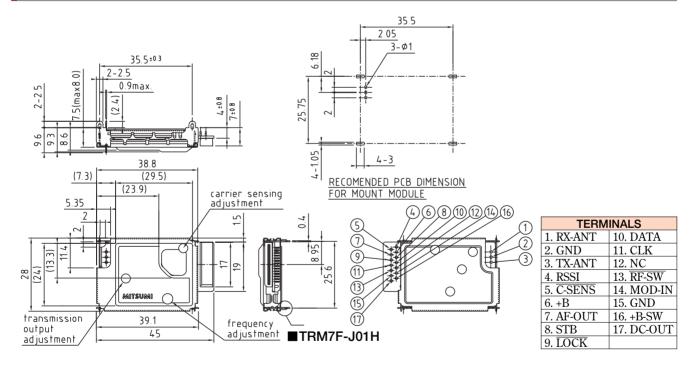


## **SPECIFICATIONS**

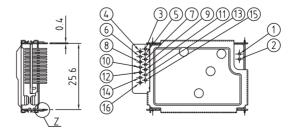
Item	Specifications HAND	Unit
Standard Voltage	2.4	V
Current Consumption	Communication52/Stand-by21	mA
Weight	13	g
RECEIVER		
Reference Sensitivity	-4	dΒμV
Signal to Noise Ratio	50	dB
Total Harmonic Distortion	1	%
Spurious Response	60	dB
Spurious Emissions	-65	dBm
Adjacent Channel Selectivity	60	dB
Audio Output Level	140	mVrms
TRANSMITTER		
Carrier Power	8	mW
Frequency Error	±3.8 (max.)	ppm
Spurious Emissions	-50	dBm
Total Harmonic Distortion	0.4	%
Signal to Noise Ratio	45	dB
*Audio FM Deviation	1.5	kHz

<sup>\*</sup>Audio Input Level: 100mVrms.

## **DIMENSIONS**



#### ■TRM7P-J01H



TERMINALS		
1. TX/RX-ANT	9. DATA	
2. GND	10. CLK	
3. RSSI	11. NC	
4. C-SENS	12. RF-SW	
5. +B	13. MOD-IN	
6. AF-OUT	14. GND	
7. STB	15. +B-SW	
8. <del>LOCK</del>	16. DC-OUT	

Unit: mm

<sup>\*</sup>For the technical details of the products in this page, please refer to Marketing & Engineering Div., AVC Business Div., Network Devices Business HQ. Phone: 046 (230) 3480.