

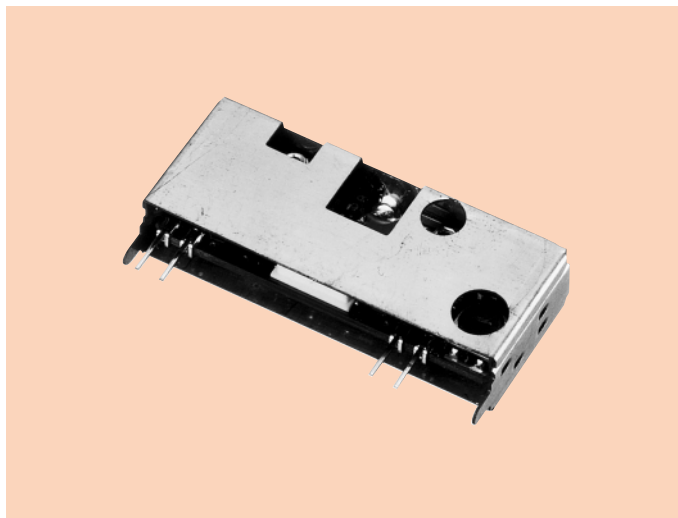
Data Receiving Module

WMF-R20

Telecommunication component

FEATURES

1. Super-miniature size and light weight.
2. 5V supply voltage.
3. Low current consumption 6mA (typ.).
4. Transmission rate 2400 BPS.
5. Parts have been reduced to a large extent by using original IC.
6. Applicable over a wide temperature range (−30~+80°C) with high sensitivity.
7. Utilization of a SAW filter improves the interference characteristics.



SPECIFICATIONS

Item	Specifications				Remarks
	min.	typ.	max.	unit	
Receiving Frequency	313.830	313.850	313.870	MHz	In case of *1t = 500μs
Ratio of Demodulation 300/600bps	0.9	1.0	1.1		Condition *1 will apply
Sensitivity		−112	−104	dBm	
Image Rejection	40	60		dB	
Spurious Response	60			dB	
Freq. Drift vs. Ambient Temp. *A	−15		+15	kHz	
Supply Voltage	4.5	5.0	5.5	V	
Current Consumption		6.0	9.0	mA	
(Special Item)					
Withstanding Discharge	10			kV	Plus and minus electric discharges shall be performed ten times respectively after the rubber sheet has been placed on the steel plate and the hot pin has been inserted into the phonojack on the module (capacity : 200pF)

*A Condition $20 \pm 25^{\circ}\text{C}$

*1 Assuming the receiver is given $30\text{dB}\mu$ at a deviation of 40kHz DEV having a S.S.G. deviating signal of t_0 , the cycle of the receiver shall meet the requirements, $t_1 \geq t_0 \times 0.9$ and $t_2 \leq t_0 \times 1.1$.



DIMENSIONS

