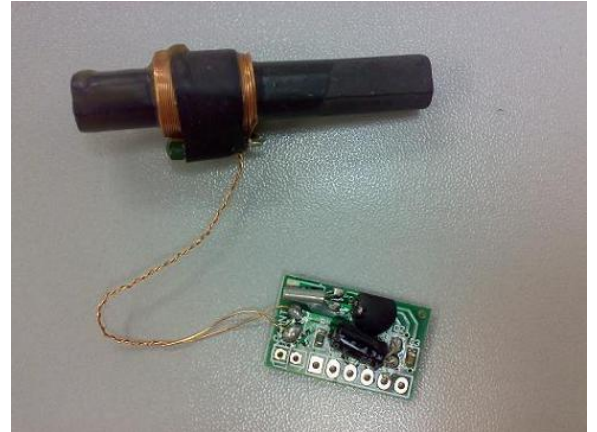


M 6350 – Radio Controlled Clock Module

• DESCRIPTION

M6350 is a radio controlled clock module for Europe, USA, Japan and U.K. with high sensitivity and timing accuracy. This module can be easily interfaced with MCU by a standard input port. The module consists of a BS6350, RCC receiver IC with a high Q antenna bar to provide good reception. All modules are well calibrated to make sure no extra work you should make during the production.

The BS6350 AM-Receiver chip is a highly sensitive, simple to use AM receiver specially intended to receive time signals in the frequency range from 40 kHz to 100 kHz.



• FEATURES

- Wide Supply Voltage Range
- High Sensitivity
- Convenient to use
- Fully RoHS compliant

• APPLICATIONS

- Weather Station
- Analogue Clock Movement
- Traveling Clock

• TECHNICAL SPECIFICATION

Parameter	Value
Operation Voltage	1.5V – 5.0V
Sensitivity	30uV/m
Setup Time	1.5s
Current Consumption (Standby)	<1uA
Current Consumption (Operating)	<210uA
Operating Temperature	-10 °C ~ + 60 °C

- **PIN DESCRIPTION**

Pin	Name	I/O	Function
1	VDD	VDD	Supply voltage, connect to VDD
2	OUT	O	Data output
3	PON	I	Power enable (Active low)
4	GND	GND	Ground

- **TIME-SIGNAL SYSTEM FREQUENCIES**

Time-Signal System	Location	Antenna Frequency	Recommended Crystal Frequency
DCF77	Germany	77.5 kHz	77.503 kHz
HGB	Switzerland	75 kHz	75.003 kHz
MSF	UK	60 kHz	60.003 kHz
WWVB	USA	60 kHz	60.003 kHz
JJY	Japan	40 kHz and 60 kHz	40.003 kHz & 60.003 kHz
BPC	China	68.5 kHz	68.505 kHz

- **CONTACT INFORMATION:**