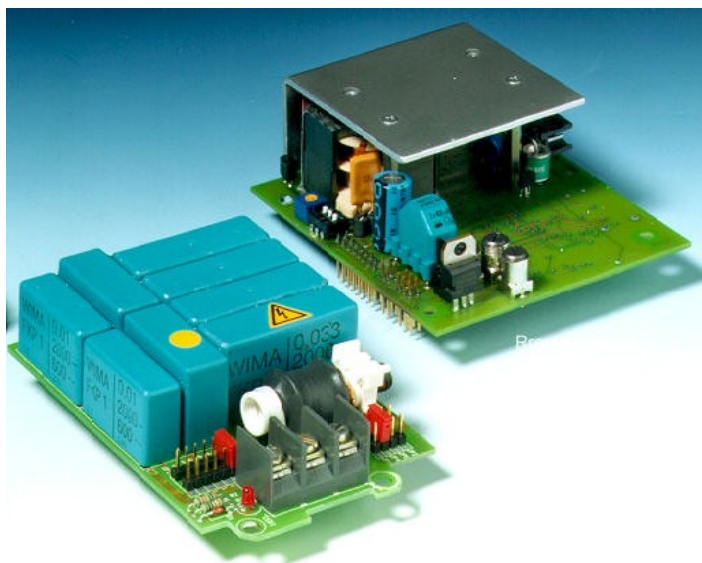


## Data Sheet

# Series 2000 High Performance Remote Antenna RFM and Tuning Module

### Description

The Series 2000 High Performance Remote Antenna RFM together with the Antenna Tuning Module supports the use of antennas installed at a distance of up to 120 meters. It is the interface between the 134.2 kHz HDX/FSK transponder and the Data Processing Unit. It sends an energizing signal to the transponder, modulates the RF signal to send data to the transponder, receives the identification signal and processes it for digital decoding.



### Specifications:

	<b>RI-RFM-008B</b>	<b>RI-ACC-008B</b>
Operating Temperature	-25 to +70°C	
Storage Temperature	-40 to +85°C	
Relative Humidity	< 97% non-condensing, IEC 68-2-30 Test Db, 21 cycles	
RF Transmit Frequency	134.2 kHz	
Transponder Types	134.2 kHz HDX/FSK	
Power Supply	7 to 24 Vdc, regulated	---
Antenna Tuning Range	Determined by the tuning-board	8 to 80 $\mu$ H
Antenna Resonance Voltage	Max. 380 V <sub>peak</sub>	Max. 280 / 400 V <sub>peak</sub> (depending on the configured inductance range)
Dimensions (L x W x H)	(83 mm x 93 mm x 44 mm) $\pm$ 1 mm	(115 mm x 70 mm x 27 mm) $\pm$ 1 mm
Weight	160 grams	162 grams
Cable (RFM to tuning-board)	Symmetrical shielded cable (twin-ax)	

For more information, contact the sales office or distributor nearest you. This contact information can be found on our web site at: <http://www.ti-rfid.com>

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