

Reference Design

Atmel ATA8520D RF Transceiver Sigfox

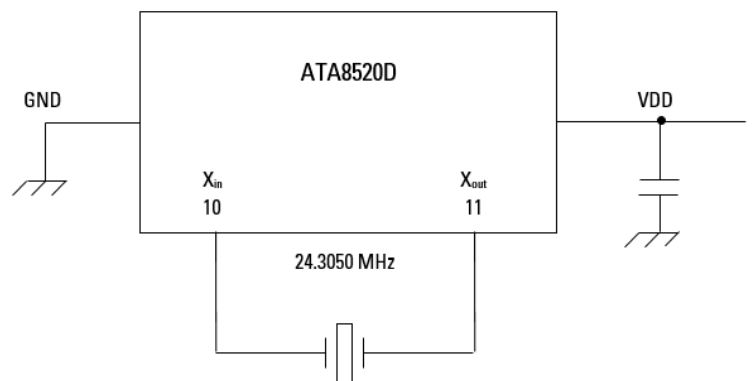
Atmel ATA8520D	
Sigfox RF Transceiver	Low-Power Single Chip RF Transceiver with integrated AVR Microcontroller and integrated Load Capacitors
ISM Band Frequency Coverage	Band: 868.0 MHz to 868.6 MHz 869.4 MHz to 869.65 MHz
Operating Temperature Range	-40°C to +85°C
Application	<ul style="list-style-type: none"> • Home and building automation • Alarm and security systems • Smart environment and industrial • Smart parking • Tracking • Metering

CL = Load Capacitance, for which the tolerance of the Crystal is trimmed.

Geyer Crystal 24.3050 MHz

CL= 8pF

Size (mm)	Type	Temperature	Part No.
2.5 x 2.0	KX-6E	-40°C to +105°C	12.86635
3.2 x 2.5	KX-7T	-40°C to +85°C	12.60128



Load capacitors are integrated

Please contact us to find the right crystal.
You are welcome, to send us your device,
and we will Test in our D+T Center,
if the oscillaton works well
at your conditions and over temperature.

Caution:

The evaluation results above be used as a reference. The circuit characteristics may differ depending on the board properties. Therefore the end selection of the crystal should be done based on the actual circuit board.