

**SI1002-ESB2-GMR Information**


For Reference Only

**Part Number** [SI1002-ESB2-GMR](#)  
**Manufacturer** Silicon Labs  
**Category** RF/IF and RFID  
[RF Transceiver ICs](#)  
**Description** IC RF TXRX+MCU ISM<1GHZ 42-WFQFN  
**Package** 42-WFQFN Exposed Pad  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**SI1002-ESB2-GMR Specifications**

Manufacturer Part Number	<a href="#">SI1002-ESB2-GMR</a>
Manufacturer	Silicon Labs
Category	RF/IF and RFID <a href="#">RF Transceiver ICs</a>
Package	42-WFQFN Exposed Pad
Series	-
Type	TxRx + MCU
RF Family/Standard	General ISM < 1GHz
Protocol	EZRadioPro
Modulation	FSK, GFSK, OOK
Frequency	240MHz ~ 960MHz
Data Rate (Max)	256kbps
Power - Output	13dBm
Sensitivity	-121dBm
Memory Size	64kB Flash, 4.35kB RAM
Serial Interfaces	I2C, SPI, UART
GPIO	22
Voltage - Supply	1.8 V ~ 3.6 V
Current - Receiving	18.5mA
Current - Transmitting	17mA ~ 30mA
Operating Temperature	-40°C ~ 85°C
Package / Case	42-WFQFN Exposed Pad

[Report errors?](#)

## SI1002-ESB2-GMR Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## SI1002-ESB2-GMR Payment Methods



## SI1002-ESB2-GMR Shipping Methods



If you have any question about SI1002-ESB2-GMR, please do not hesitate to contact us!

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