

SI1005-C-GM Information



For Reference Only

Part Number SI1005-C-GM
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



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.









SI1005-C-GM Specifications

Manufacturer Part Number \$\$11005-C-GM Manufacturer \$\$1000 Labs Category RF/IF and RFID RF Transceiver ICs 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 32kB Flash, 4.35kB RAM Serial Interfaces 12C, SPI, UART GPIO 19 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		
Category RF/IF and RFID RF Transceiver ICs 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 32kB Flash, 4.35kB RAM Serial Interfaces 12C, SPI, UART GPIO 19 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	Manufacturer Part Number	SI1005-C-GM
RF Transceiver ICs Package 42-WFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz	Manufacturer	Silicon Labs
Package 42-WFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz	Category	RF/IF and RFID
Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz		RF Transceiver ICs
Type TxRx + MCU RF Family/Standard General ISM < 1GHz	Package	42-WFQFN Exposed Pad
RF Family/Standard General ISM < 1GHz	Series	-
Protocol EZRadioPro Modulation FSK, GFSK, OOK Frequency 240MHz ~ 960MHz Data Rate (Max) 256kbps Power - Output 13dBm Sensitivity -121dBm Memory Size 32kB Flash, 4.35kB RAM Serial Interfaces 12C, SPI, UART GPIO 19 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	Туре	TxRx + MCU
ModulationFSK, GFSK, OOKFrequency240MHz ~ 960MHzData Rate (Max)256kbpsPower - Output13dBmSensitivity-121dBmMemory Size32kB Flash, 4.35kB RAMSerial InterfacesI2C, SPI, UARTGPIO19Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving18.5mACurrent - Transmitting17mA ~ 30mAOperating Temperature-40°C ~ 85°CPackage / Case42-WFQFN Exposed Pad	RF Family/Standard	General ISM < 1GHz
Frequency Data Rate (Max) 256kbps Power - Output 13dBm Sensitivity -121dBm Memory Size 32kB Flash, 4.35kB RAM Serial Interfaces 12C, SPI, UART GPIO 19 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 18.5mA Current - Transmitting 17mA ~ 30mA Operating Temperature Package / Case 42-WFQFN Exposed Pad	Protocol	EZRadioPro
Data Rate (Max) Power - Output 13dBm Sensitivity -121dBm Memory Size 32kB Flash, 4.35kB RAM Serial Interfaces I2C, SPI, UART GPIO 19 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	Modulation	FSK, GFSK, OOK
Power - Output Sensitivity -121dBm Memory Size 32kB Flash, 4.35kB RAM Serial Interfaces I2C, SPI, UART GPIO 19 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	Frequency	240MHz ~ 960MHz
Sensitivity -121dBm Memory Size 32kB Flash, 4.35kB RAM Serial Interfaces I2C, SPI, UART GPIO 19 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	Data Rate (Max)	256kbps
Memory Size $32kB$ Flash, $4.35kB$ RAMSerial Interfaces $I2C$, SPI, UARTGPIO 19 Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving 18.5mA Current - Transmitting $17\text{mA} \sim 30\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $42\text{-WFQFN Exposed Pad}$	Power - Output	13dBm
Serial InterfacesI2C, SPI, UARTGPIO19Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving 18.5mA Current - Transmitting $17\text{mA} \sim 30\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $42\text{-WFQFN Exposed Pad}$	Sensitivity	-121dBm
GPIO 19 Voltage - Supply 1.8 V \sim 3.6 V Current - Receiving 18.5mA Current - Transmitting 17mA \sim 30mA Operating Temperature -40°C \sim 85°C Package / Case 42-WFQFN Exposed Pad	Memory Size	32kB Flash, 4.35kB RAM
Voltage - Supply $1.8 \ V \sim 3.6 \ V$ Current - Receiving $18.5 mA$ Current - Transmitting $17 mA \sim 30 mA$ Operating Temperature $-40 ^{\circ}C \sim 85 ^{\circ}C$ Package / Case $42 \text{-WFQFN Exposed Pad}$	Serial Interfaces	I2C, SPI, UART
Current - Receiving 18.5mA Current - Transmitting 17mA ~ 30mA Operating Temperature -40°C ~ 85°C Package / Case 42-WFQFN Exposed Pad	GPIO	19
Current - Transmitting 17mA ~ 30mA Operating Temperature -40°C ~ 85°C Package / Case 42-WFQFN Exposed Pad	Voltage - Supply	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C Package / Case 42-WFQFN Exposed Pad	Current - Receiving	18.5mA
Package / Case 42-WFQFN Exposed Pad	Current - Transmitting	17mA ~ 30mA
	Operating Temperature	-40°C ~ 85°C
Report errors?	Package / Case	42-WFQFN Exposed Pad
		Report errors?

SI1005-C-GM 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.

SI1005-C-GM Payment Methods





















SI1005-C-GM Shipping Methods













If you have any question about SI1005-C-GM, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com