



### **MICRF009BM Information**

www.helsene.gene

For Reference Only

Part Number MICRF009BM

Manufacturer Microchip Technology

Category RF/IF and RFID

**RF** Receivers

**Description** IC RECEIVER UHF LOW POWER 16SOIC

**Package** 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



# **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.









# **MICRF009BM Specifications**

Manufacturer Part Number         MICRF009BM           Manufacturer         Microchip Technology           Category         RF/IF and RFID           RF Receivers           Package         16-SOIC (0.154", 3.90mm Width)           Series         -           Frequency         300MHz ~ 440MHz           Sensitivity         -102dBm           Data Rate (Max)         2 kbps           Modulation or Protocol         ASK, OOK           Applications         RKE           Current - Receiving         2.9mA           Data Interface         PCB, Surface Mount           Memory Size         -           Antenna Connector         PCB, Surface Mount           Features         Automatic Tuning           Voltage - Supply         4.75 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.154", 3.90mm Width)           Supplier Device Package         16-SOIC		
Category         RF/IF and RFID           RF Receivers           Package         16-SOIC (0.154", 3.90mm Width)           Series         -           Frequency         300MHz ~ 440MHz           Sensitivity         -102dBm           Data Rate (Max)         2 kbps           Modulation or Protocol         ASK, OOK           Applications         RKE           Current - Receiving         2.9mA           Data Interface         PCB, Surface Mount           Memory Size         -           Antenna Connector         PCB, Surface Mount           Features         Automatic Tuning           Voltage - Supply         4.75 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.154", 3.90mm Width)           Supplier Device Package         16-SOIC	Manufacturer Part Number	MICRF009BM
RF Receivers           Package         16-SOIC (0.154", 3.90mm Width)           Series         -           Frequency         300MHz ~ 440MHz           Sensitivity         -102dBm           Data Rate (Max)         2 kbps           Modulation or Protocol         ASK, OOK           Applications         RKE           Current - Receiving         2.9mA           Data Interface         PCB, Surface Mount           Memory Size         -           Antenna Connector         PCB, Surface Mount           Features         Automatic Tuning           Voltage - Supply         4.75 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.154", 3.90mm Width)           Supplier Device Package         16-SOIC	Manufacturer	Microchip Technology
Package         16-SOIC (0.154", 3.90mm Width)           Series         -           Frequency         300MHz ~ 440MHz           Sensitivity         -102dBm           Data Rate (Max)         2 kbps           Modulation or Protocol         ASK, OOK           Applications         RKE           Current - Receiving         2.9mA           Data Interface         PCB, Surface Mount           Memory Size         -           Antenna Connector         PCB, Surface Mount           Features         Automatic Tuning           Voltage - Supply         4.75 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.154", 3.90mm Width)           Supplier Device Package         16-SOIC	Category	RF/IF and RFID
Series-Frequency300MHz ~ 440MHzSensitivity-102dBmData Rate (Max)2 kbpsModulation or ProtocolASK, OOKApplicationsRKECurrent - Receiving2.9mAData InterfacePCB, Surface MountMemory Size-Antenna ConnectorPCB, Surface MountFeaturesAutomatic TuningVoltage - Supply4.75 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC		RF Receivers
Frequency 300MHz ~ 440MHz  Sensitivity -102dBm  Data Rate (Max) 2 kbps  Modulation or Protocol ASK, OOK  Applications RKE  Current - Receiving 2.9mA  Data Interface PCB, Surface Mount  Memory Size -  Antenna Connector PCB, Surface Mount  Features Automatic Tuning  Voltage - Supply 4.75 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	16-SOIC (0.154", 3.90mm Width)
Sensitivity -102dBm  Data Rate (Max) 2 kbps  Modulation or Protocol ASK, OOK  Applications RKE  Current - Receiving 2.9mA  Data Interface PCB, Surface Mount  Memory Size -  Antenna Connector PCB, Surface Mount  Features Automatic Tuning  Voltage - Supply 4.75 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SOIC	Series	-
Data Rate (Max)2 kbpsModulation or ProtocolASK, OOKApplicationsRKECurrent - Receiving2.9mAData InterfacePCB, Surface MountMemory Size-Antenna ConnectorPCB, Surface MountFeaturesAutomatic TuningVoltage - Supply4.75 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Frequency	300MHz ~ 440MHz
Modulation or ProtocolASK, OOKApplicationsRKECurrent - Receiving2.9mAData InterfacePCB, Surface MountMemory Size-Antenna ConnectorPCB, Surface MountFeaturesAutomatic TuningVoltage - Supply4.75 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Sensitivity	-102dBm
Applications RKE  Current - Receiving 2.9mA  Data Interface PCB, Surface Mount  Memory Size -  Antenna Connector PCB, Surface Mount  Features Automatic Tuning  Voltage - Supply 4.75 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SOIC	Data Rate (Max)	2 kbps
Current - Receiving  Data Interface  PCB, Surface Mount  Memory Size  - Antenna Connector  PCB, Surface Mount  PCB, Surface Mount  Automatic Tuning  Voltage - Supply  4.75 V ~ 5.5 V  Operating Temperature  -40°C ~ 85°C  Package / Case  16-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Modulation or Protocol	ASK, OOK
Data Interface PCB, Surface Mount  Memory Size -  Antenna Connector PCB, Surface Mount  Features Automatic Tuning  Voltage - Supply 4.75 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.154", 3.90mm Width)  Supplier Device Package 16-SOIC	Applications	RKE
Memory Size-Antenna ConnectorPCB, Surface MountFeaturesAutomatic TuningVoltage - Supply4.75 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Current - Receiving	2.9mA
Antenna Connector PCB, Surface Mount Features Automatic Tuning Voltage - Supply $4.75 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ $(0.154'', 3.90\text{mm Width})$ Supplier Device Package	Data Interface	PCB, Surface Mount
Features Automatic Tuning  Voltage - Supply $4.75 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ $(0.154^{\circ}\text{H}, 3.90\text{mm Width})$ Supplier Device Package $16\text{-SOIC}$	Memory Size	-
Voltage - Supply $4.75 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC} (0.154'', 3.90 \text{mm Width})$ Supplier Device Package $16\text{-SOIC}$	Antenna Connector	PCB, Surface Mount
Operating Temperature  -40°C ~ 85°C  Package / Case  16-SOIC (0.154", 3.90mm Width)  Supplier Device Package  16-SOIC	Features	Automatic Tuning
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	4.75 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

#### **MICRF009BM 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.

# **MICRF009BM Payment Methods**





















### **MICRF009BM Shipping Methods**













If you have any question about MICRF009BM, please do not hesitate to contact us!

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