



### 93C56AT-I/MC Information



For Reference Only

Part Number 93C56AT-I/MC

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

Memory

**Description** IC EEPROM 2KBIT 2MHZ 8DFN

Package 8-VFDFN 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.









## 93C56AT-I/MC Specifications

| Manufacturer Part Number         93C56AT-I/MC           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Memory         Memory           Package         8-VFDFN Exposed Pad           Series         -           Memory Type         Non-Volatile           Memory Format         EEPROM           Technology         EEPROM           Memory Size         2Kb (256 x 8)           Memory Interface         SPI           Clock Frequency         2MHz           Write Cycle Time - Word, Page         2ms           Access Time         -           Voltage - Supply         4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         8-VFDFN Exposed Pad           Supplier Device Package         8-DFN (2x3) | •                             |                           |
|---|-------------------------------|---------------------------|
| Category         Integrated Circuits (ICs)           Memory           Package         8-VFDFN Exposed Pad           Series         -           Memory Type         Non-Volatile           Memory Format         EEPROM           Technology         EEPROM           Memory Size         2Kb (256 x 8)           Memory Interface         SPI           Clock Frequency         2MHz           Write Cycle Time - Word, Page         2ms           Access Time         -           Voltage - Supply         4.5 V ~ 5.5 V           Operating Temperature         40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         8-VFDFN Exposed Pad           Supplier Device Package         8-DFN (2x3)   | Manufacturer Part Number      | 93C56AT-I/MC              |
| Memory           Package         8-VFDFN Exposed Pad           Series         -           Memory Type         Non-Volatile           Memory Format         EEPROM           Technology         EEPROM           Memory Size         2Kb (256 x 8)           Memory Interface         SPI           Clock Frequency         2MHz           Write Cycle Time - Word, Page         2ms           Access Time         -           Voltage - Supply         4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         8-VFDFN Exposed Pad           Supplier Device Package         8-DFN (2x3)   | Manufacturer                  | Microchip Technology      |
| Package8-VFDFN Exposed PadSeries-Memory TypeNon-VolatileMemory FormatEEPROMTechnologyEEPROMMemory Size2Kb (256 x 8)Memory InterfaceSPIClock Frequency2MHzWrite Cycle Time - Word, Page2msAccess Time-Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)   | Category                      | Integrated Circuits (ICs) |
| Series - Memory Type Non-Volatile  Memory Format EEPROM  Technology EEPROM  Memory Size 2Kb (256 x 8)  Memory Interface SPI  Clock Frequency 2MHz  Write Cycle Time - Word, Page 2ms  Access Time - Voltage - Supply 4.5 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 8-VFDFN Exposed Pad  Supplier Device Package 8-DFN (2x3)   |                               | Memory                    |
| Memory TypeNon-VolatileMemory FormatEEPROMTechnologyEEPROMMemory Size2Kb (256 x 8)Memory InterfaceSPIClock Frequency2MHzWrite Cycle Time - Word, Page2msAccess Time-Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)  | Package                       | 8-VFDFN Exposed Pad       |
| Memory FormatEEPROMTechnologyEEPROMMemory Size2Kb (256 x 8)Memory InterfaceSPIClock Frequency2MHzWrite Cycle Time - Word, Page2msAccess Time-Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)   | Series                        | -                         |
| Technology  Memory Size  2Kb (256 x 8)  Memory Interface  SPI  Clock Frequency  2MHz  Write Cycle Time - Word, Page  Access Time  -  Voltage - Supply  Operating Temperature  Package / Case  Supplier Device Package  EEPROM  2Kb (256 x 8)  SPI  2MHz  2MHz  2ms   4.5 V ~ 5.5 V   5.5 V   5.5 V  5.5 V  5.5 V  6.6 V ~ 85°C (TA)  8.6 VFDFN Exposed Pad  8.7 VFDFN Exposed Pad  8.7 VFDFN Exposed Pad  | Memory Type                   | Non-Volatile              |
| Memory Size2Kb (256 x 8)Memory InterfaceSPIClock Frequency2MHzWrite Cycle Time - Word, Page2msAccess Time-Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)  | Memory Format                 | EEPROM                    |
| Memory InterfaceSPIClock Frequency2MHzWrite Cycle Time - Word, Page2msAccess Time-Voltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)  | Technology                    | EEPROM                    |
| Clock Frequency  Write Cycle Time - Word, Page  Access Time  - Voltage - Supply  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  2ms  | Memory Size                   | 2Kb (256 x 8)             |
| Write Cycle Time - Word, Page  Access Time  - Voltage - Supply  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  8-DFN (2x3)   | Memory Interface              | SPI                       |
| Access Time - Voltage - Supply 4.5 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 8-VFDFN Exposed Pad  Supplier Device Package 8-DFN (2x3)   | Clock Frequency               | 2MHz                      |
| Voltage - Supply $ 4.5 \text{ V} \sim 5.5 \text{ V} $ Operating Temperature $ -40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)} $ Mounting Type $ \text{Surface Mount} $ Package / Case $ 8-\text{VFDFN Exposed Pad} $ Supplier Device Package $ 8-\text{DFN (2x3)} $  | Write Cycle Time - Word, Page | 2ms                       |
| Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  8-DFN (2x3)   | Access Time                   | -                         |
| Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)  | Voltage - Supply              | 4.5 V ~ 5.5 V             |
| Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)  | Operating Temperature         | -40°C ~ 85°C (TA)         |
| Supplier Device Package 8-DFN (2x3)   | Mounting Type                 | Surface Mount             |
|   | Package / Case                | 8-VFDFN Exposed Pad       |
| Report errors?  | Supplier Device Package       | 8-DFN (2x3)               |
|   |                               | Report errors?            |

#### 93C56AT-I/MC 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.

### 93C56AT-I/MC Payment Methods



















## 93C56AT-I/MC Shipping Methods













If you have any question about 93C56AT-I/MC, please do not hesitate to contact us!

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