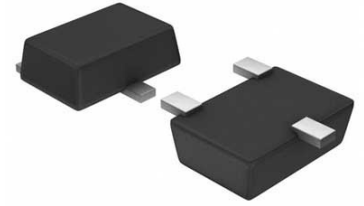


EEPROM Serial-Microwire 2K-bit 128 x 16 2.5V/3.3V/5V 6-Pin SOT-23 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOT-23-6

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The Microchip 93AA56B device is a 2Kb Microwire (3-wire) Serial EEPROM with dedicated 16-bit memory organization and a voltage operation range of 1.8 - 5.5V. Also available are the 93AA56A for dedicated 8-bit memory organization and the 93AA56C for hardware selectable word size using the ORG pin. The 93AA56B is optimized for use in consumer, industrial, and automotive applications where reliable and dependable nonvolatile memory storage is essential. The device is available in a variety of Pb-free packages including SOT-23, PDIP, SOIC, MSOP, DFN and TSSOP.

Key Features

Industry Standard Microwire Serial I/O

Up to 2 MHz clock compatibility

128 x 16-Bit Organization

Automatic Erase All (ERAL) Before Write All (WRAL)

Self-Timed Erase and Write Cycles (6 ms max.)

Read current 100 uA (Typ), 500 uA (Max)

Write current 500 uA (Typ), 2 mA (Max)

Standby current 1 uA (Max at -40 to 85°C)

Software Write-Protection

More than 1 million erase/write cycles

Data retention > 200 years

Grade 1 Temperature Range: -40°C to 125°C

Qualified for Automotive Applications

Factory Programming Available

Available in SOT-23-6, PDIP-8, SOIC-8, MSOP-8, 2x3 DFN-8 and TSSOP-8

Recommended For You

AT93C46E-PU

Microchip Technology, Inc
DIP8

AT93C46D-PU

Microchip Technology, Inc
DIP8

AT93C66B-XHM-T

Microchip Technology, Inc
TSSOP8

AT93C56B-SSHM-T

Microchip Technology, Inc
SOP8

93LC46B-I/SN

Microchip Technology, Inc
SOP8

93LC66C-I/SN

Microchip Technology, Inc
SOIC-8

93LC66A-I/SN

Microchip Technology, Inc
SOP8

AT93C46DN-SH-T

Microchip Technology, Inc
SOP8

93AA56AT-I/OT

Microchip Technology, Inc
SOT23-6

93LC86CT-I/SN

Microchip Technology, Inc
SOP8

93LC46-I/SN

Microchip Technology, Inc
SMD

93LC46CT-I/ST

Microchip Technology, Inc
TSSOP-8

AT93C86A-10SU-1.8

Microchip Technology, Inc
SOP-8

93LC66C-I/ST

Microchip Technology, Inc
TSSOP8

93LC66B/SN

Microchip Technology, Inc
SOP-8