EEPROM Serial-2Wire 2K-bit 256 x 8 1.8V/2.5V/3.3V/5V 8-Pin SOIC N Tube

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Memory
RoHS	Rohs
Lifecycle	
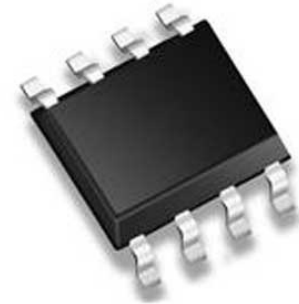
Images are for reference only

Please submit RFQ for 24AA025E48-I/SN or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The Microchip Technology Inc. 24AA025E48 is a 2Kb Serial EEPROM that is pre-programmed with a globally unique EUI-48 node address. The device is organized as two blocks of 128 x 8-bit memory with a 2-wire serial interface. Low-voltage design permits operation down to 1.7V, with maximum standby and active currents of only 1 uA and 1 mA, respectively. The 24AA025E48 also has a page write capability 16 bytes. The 24AA025E48 is available in the standard 8-pin SOIC and 6-lead SOT-23 packages. This device has up to 3 Address pins, which enables cascading up to 8 devices on the same I2C™Compatible bus.

Features

Pre-programmed Globally Unique, 48-bit Node Address

Compatible with EUI-48™ and EUI-64™

Single Supply with Operation Down to 1.7V

Low-Power CMOS Technology:- Read current 1 mA, max.- Standby current 1 uA, max.

2-Wire Serial Interface, I2C™ Compatible

Schmitt Trigger Inputs for Noise Suppression

Output Slope Control to Eliminate Ground Bounce

100 kHz and 400 kHz Clock Compatibility

Page Write Time 3 ms, typical

Self-Timed Erase/Write Cycle

Page Write Buffer:- 16-byte page

ESD Protection >4,000V

More than 1 Million Erase/Write Cycles

Data Retention >200 Years

Factory Programming Available

Available Packages:- 8-lead SOIC and 6-lead SOT-23

Pb-free and RoHS Compliant

Temperature Ranges:- Industrial (I): -40°C to +85°C
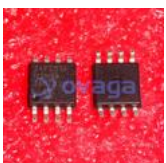
Up to 3 Address Pins

Related Products

AT24CM02-SSHM-B

Microchip Technology, Inc

SOIC-8

AT24CM02-SSHD-B

Microchip Technology, Inc

SOIC-8

24FC512-I/SM

Microchip Technology, Inc

SOIJ-8

24AA512-I/SM

Microchip Technology, Inc

SOIJ-8

AT24C512C-SSHM-T

Microchip Technology, Inc

SOIC-8

24LC256-I/ST

Microchip Technology, Inc

TSSOP-8

24LC32AT-I/SN

Microchip Technology, Inc

SOIC-8

AT24C04D-MAHM-T

Microchip Technology, Inc

UDFN-8