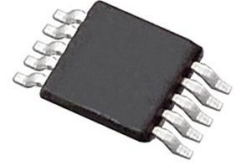


Digital Potentiometer 100kOhm 256POS Non-Volatile Automotive 10-Pin MSOP T/R



Images are for reference only

Manufacturer: [Analog Devices, Inc](#)

Package/Case: MSOP10

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The AD5259 provides a compact, nonvolatile LFCSP-10 (3 mm x 3 mm) or MSOP-10 (3 mm x 4.9 mm) packaged solution for 256-position adjustment applications. These devices perform the same electronic adjustment function as mechanical potentiometers or variable resistors, but with enhanced resolution and solid-state reliability.

The wiper settings are controllable through an I2C-compatible digital interface that is also used to read back the wiper register and EEPROM content. Resistor tolerance is also stored within EEPROM, providing an end-to-end tolerance accuracy of 0.1%.

A separate VLOGIC pin delivers increased interface flexibility. For users who need multiple parts on one bus, Address Bit AD0 and Address Bit AD1 allow up to four devices on the same bus

Key Features

Memory Type: nonvolatile

Interface: I2C

Resistor Values (kOhm): 5, 10, 50, 100

Voltage Range (V): +5.5 V

Supply Current (μ A): 3 μ A

Temp. Range -40°C to +85°C

Absolute Tempco (ppm/°C): 300

VLOGIC Pin Provides Increased Interface flexibility

Application

LCD panel VCOM adjustment

LCD panel brightness and contrast control

Mechanical potentiometer replacement in new designs

Programmable power supplies

RF amplifier biasing

Automotive electronics adjustment

Gain control and offset adjustment

Fiber to the home systems

Electronics level settings

Recommended For You

AD5262BRUZ200

Analog Devices, Inc
TSSOP16

AD8402ARUZ50

Analog Devices, Inc
TSSOP-14

AD5160BRJZ50-RL7

Analog Devices, Inc
SOT23-8

AD8400ARZ50

Analog Devices, Inc
SOP8

AD5280BRUZ20

Analog Devices, Inc
TSSOP14

AD5262BRUZ50

Analog Devices, Inc
TSSOP16

AD5204BRUZ10

Analog Devices, Inc
TSSOP24

AD5207BRUZ10

Analog Devices, Inc
TSSOP14

AD5160BRJZ10-R2

Analog Devices, Inc
SOT23-8

AD5200BRMZ10

Analog Devices, Inc
MSOP10

AD5220BNZ100

Analog Devices, Inc
8-PDIP

AD5143BCPZ10-RL7

Analog Devices, Inc
16-LFCSP

AD8402ARUZ1

Analog Devices, Inc
TSSOP-14

AD5263BRUZ200

Analog Devices, Inc
TSSOP24

AD5260BRUZ20

Analog Devices, Inc
TSSOP14