

Digital Potentiometer 50kOhm 100POS Non-Volatile Linear 8-Pin SOIC N



Images are for reference only

[Inquiry](#)

Manufacturer: [Maxim Integrated](#)

Package/Case: SOP-8

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The DS1804 NV trimmer potentiometer is a nonvolatile digital potentiometer that has 100 positions. The device provides an ideal method for low-cost trimming applications using a CPU or manual control input with minimal external circuitry. Wiper position of the DS1804 can be stored in EEPROM memory on demand. The device's wiper position is manipulated by a three-terminal port that provides an increment/ decrement counter controlled interface. This port consists of the control inputs active-low CS, active-low INC, and U/active-low D. The DS1804 is available in three resistor grades, which include a 10k Ω , 50k Ω , and 100k Ω . The device is provided in an industrial temperature grade. Additionally, the DS1804 will operate from 3V or 5V supplies and is ideal for portable application requirements. Three packaging options are available and include the 8-pin (300 mils) DIP, 8-pin (150 mils) SO, and 8-pin (118 mils) μ SOP.

Key Features

Single 100-Position Taper Potentiometer

Nonvolatile (NV) On-Demand Wiper Storage

Operates from 3V or 5V Supplies

Up/Down, Increment-Controlled Interface

Available in 8-Pin (300 mils) DIP, 8-Pin (150 mils) SO, and 8-Pin (118 mils) μ SOP

Standard Resistance Values:

DS1804-010: 10k Ω

DS1804-050: 50k Ω

DS1804-100: 100k Ω

Recommended For You

DS1804U-100+

Maxim Integrated
MSOP8

DS1881E-050+

Maxim Integrated
TSSOP16

DS3904U-020+

Maxim Integrated
MSOP8

DS1804-100+

Maxim Integrated
DIP8

DS1267BS-010+

Maxim Integrated
SOP

DS1804-010+

Maxim Integrated
Correctoriginal

DS18030-010+

Maxim Integrated
SMDSMT

DS1807S+

Maxim Integrated
SOP16

DS1809-010+

Maxim Integrated
franchised

DS3902U-530+

Maxim Integrated
MSOP8

DS1856B-050/T&R

Maxim Integrated
CSBGA-1

DS3930E+T&R

Maxim Integrated
TSSOP-20

DS1806E-050+

Maxim Integrated
TSSOP20

DS1856B-020+

Maxim Integrated
CSBGA

DS1841N+

Maxim Integrated
10TDFN-EP