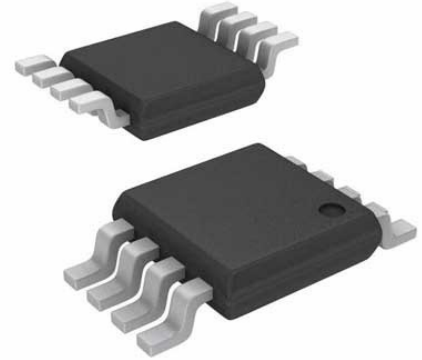


Digital Potentiometer 50kOhm 100POS Non-Volatile Linear 8-Pin MSOP T/R

Manufacturers	ON Semiconductor, LLC
Package/Case	MSOP-8
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for CAT5113ZI-50-T3 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CAT5113 is a single digital POT designed as an electronic replacement for mechanical potentiometers. Ideal for automated adjustments on high volume production lines, they are also well suited for applications where equipment requiring periodic adjustment is either difficult to access or located in a hazardous or remote environment. The CAT5113 contains a 100-tap series resistor array connected between two terminals RH and RL. An up/down counter and decoder that are controlled by three input pins, determines which tap is connected to the wiper, RW. The CAT5113 wiper is buffered by an op amp that operates rail to rail. The wiper setting, stored in non-volatile NVRAM memory, is not lost when the device is powered down and is automatically recalled when power is returned. The wiper can be adjusted to test new system values without affecting the stored setting. Wiper-control of the CAT5113 is accomplished with three input control pins, CS, U/D, and INC. The INC input increments the wiper in the direction which is determined by the logic state of the U/D input. The CS input is used to select the device and also store the wiper position prior to power down. The digital POT can be used as a three-terminal resistive divider or as a two-terminal variable resistor.

Features

100-position linear taper potentiometer

Non-volatile EEPROM wiper storage

10 nA ultra-low standby current

Single supply operation: 2.5 V-6.0 V

Increment Up/Down serial interface

Resistance values: 1 k Ω , 10 k Ω , 50 k Ω and 100k Ω

Application

ONSEMI

Related Products



[CAT5241YI-25-T2](#)

ON Semiconductor, LLC
TSSOP-20



[CAT5115ZI-00-GT3](#)

ON Semiconductor, LLC
8-TSSOP, 8-MSOP (0.118, 3.00mm Width)



[CAT5112ZI-10-GT3](#)

ON Semiconductor, LLC
MSOP-8



[CAT5221YI-10-T2](#)

ON Semiconductor, LLC
TSSOP-20



[CAT5221YI-25-T2](#)

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TSSOP-20



[CAT5113YI-10-GT3](#)

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[CAT5241YI-10-T2](#)

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TSSOP-20



[CAT5115YI-50-GT3](#)

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