

VOLATILE DIGITAL POTENTIOMETER, End To End Resistance:10kohm, Control Interface:I2C, Track Taper:Linear, Resistance Tolerance: 20%, Supply Voltage Min:2.7V, Supply Voltage Max:5.5V

Manufacturers	Renesas Technology Corp
Package/Case	SC-70
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ISL90728WIE627Z-TK or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Intersil ISL90727 and ISL90728 are digitally controlled potentiometers (XD_{DCP}TM). Each device consists of a resistor array, wiper switches, and a control section. The wiper position is controlled by an I²C BusTM. The potentiometer is implemented by a resistor array composed of 127 resistive elements and a wiper switching network. Between each element and at either end are tap points accessible to the wiper terminal. The position of the wiper element is controlled by the SDA and SCL inputs.

Features

Volatile Solid-State Potentiometer

I

2

C Serial Bus Interface

DCP Terminal Voltage, 2.7V to 5.5V

Low Tempco

Rheostat - 45 ppm/°C Typical

Divider - 15 ppm/°C Typical

128 Wiper Tap Points

Wiper Resistance 70Ω Typ at>

Low Power CMOS

Active Current, 200μA Max

Standby Current, 500nA Max

Available R

TOTAL

Power-on Preset to Midscale

Packaging

6 Ld SC-70

Pb-Free (RoHS Compliant)

Related Products

[ISL90727WIE627Z-TK](#)



Renesas Technology Corp
SC-70

[ISL95810WIRT8Z-T](#)



Renesas Technology Corp
8-WDFN

[ISL95810UIU8Z-T](#)



Renesas Technology Corp
MSOP-8

[ISL90728WIE627Z-T7A](#)



Renesas Technology Corp
SC-70-6



[ISL23511WFB8Z](#)

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