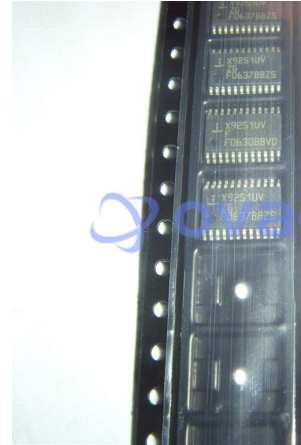


SCR Thyristor; Thyristor Type:Standard Gate; Peak Repetitive Off-State Voltage, Vdrm:600V; On State RMS Current, IT(rms):55A; Peak Non Repetitive Surge Current, Itsm:700A; Gate Trigger Current Max, Igt:35mA RoHS Compliant: Yes



Images are for reference only

Manufacturers	Renesas Technology Corp
Package/Case	TSSOP-24
Product Type	Data Acquisition - Digital Potentiometers
RoHS	Rohs
Lifecycle	

Please submit RFQ for X9251UV24IZ-2.7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The X9251 integrates four digitally controlled potentiometers (XDCP) on a monolithic CMOS integrated circuit. The digitally controlled potentiometers are implemented with a combination of resistor elements and CMOS switches. The position of the wipers are controlled by the user through the SPI bus interface. Each potentiometer has associated with it a volatile Wiper Counter Register (WCR) and four nonvolatile Data Registers that can be directly written to and read by the user. The content of the WCR controls the position of the wiper. At power-up, the device recalls the content of the default Data Registers of each DCP (DR00, DR10, DR20, and DR30) to the corresponding WCR. The XDCP can be used as a three terminal potentiometer or as a two terminal variable resistor in a wide variety of applications including control, parameter adjustments, and signal processing.

Features

Four potentiometers in one package

256 resistor taps–0.4% resolution

SPI serial interface for write, read, and transfer operations of the potentiometer

Wiper resistance: 100Ω typical at >

4 Nonvolatile data registers for each potentiometer

Nonvolatile storage of multiple wiper positions

Standby current <5μA max

V

CC

50kΩ version of total resistance

100 year data retention

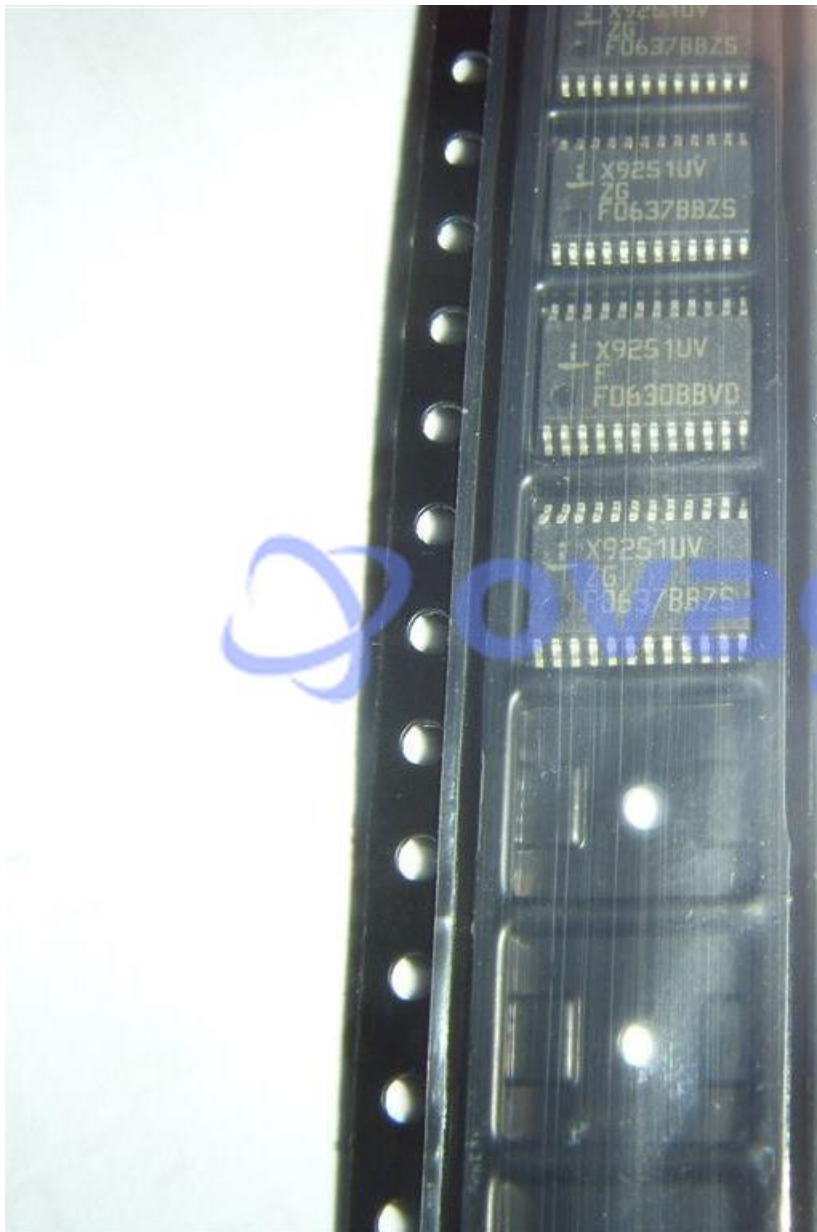
Single supply version of X9250

Endurance: 100,000 data changes per bit per register

24 Ld SOIC, 24 Ld TSSOP

Low power CMOS

Pb-free (RoHS compliant)

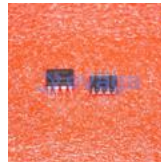


Related Products



[X9C103SIZ](#)

Renesas Technology Corp
SOIC-8



[X9C102PIZ](#)

Renesas Technology Corp
PDIP-8



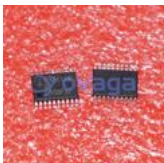
[X9258US24IZ-2.7](#)

Renesas Technology Corp
SOP24



[X9250TS24IZ-2.7](#)

Renesas Technology Corp
SOP-24



[X9241AWVZ](#)

Renesas Technology Corp
TSSOP-20



[X9241AWPIZ](#)

Renesas Technology Corp
DIP-20



[X9C102SZ](#)

Renesas Technology Corp

SOIC-8



[X9C104SIZ](#)

Renesas Technology Corp

SOIC-8