

Energy Measurement 27.9ksps 20-Pin SSOP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	SSOP20
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

ADE7753ARSZ is an integrated circuit (IC) that belongs to the ADE7753 family of energy metering ICs, which are used for single-phase energy measurement in electricity metering applications. It is manufactured by Analog Devices Inc., a leading semiconductor company.

Key Features

High accuracy energy measurement: ADE7753ARSZ is capable of measuring active energy (kWh), reactive energy (kVARh), and apparent energy (kVAh) with high accuracy.

Wide dynamic range: It can measure energy consumption over a wide dynamic range, making it suitable for various applications.

On-chip power supply regulator: ADE7753ARSZ has an on-chip power supply regulator that allows it to operate directly from the AC mains supply, eliminating the need for an external power supply.

Serial interface: It has a serial interface (SPI) for easy interfacing with microcontrollers or other external devices.

Tamper detection: ADE7753ARSZ has built-in features for detecting tampering, such as reverse energy flow, which makes it suitable for use in electricity metering applications where security is important.

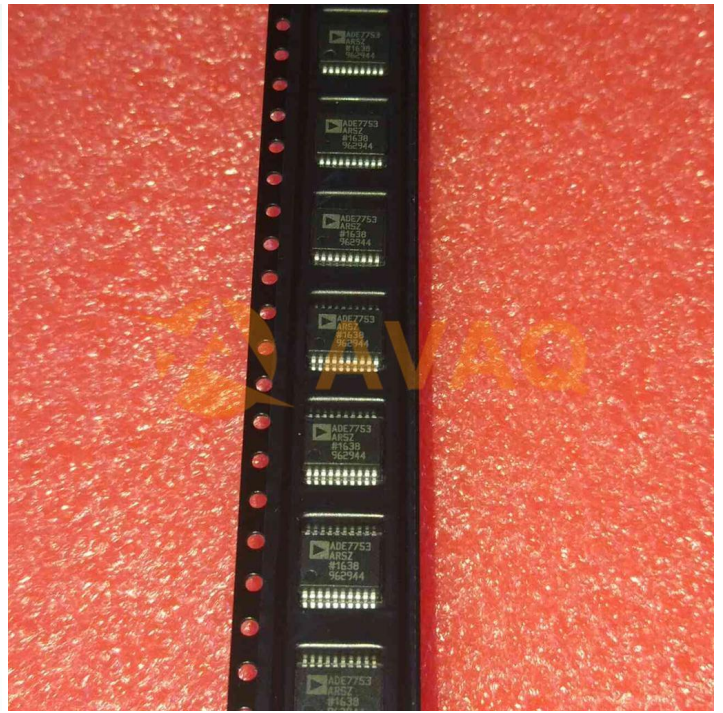
Low power consumption: It is designed to operate with low power consumption, making it suitable for energy-efficient applications.

Application

Electricity metering: ADE7753ARSZ is commonly used in single-phase energy meters for measuring and billing energy consumption in residential, commercial, and industrial applications.

Power monitoring: It can be used in power monitoring systems for monitoring energy usage in real-time, power quality analysis, and load profiling.

Energy management: ADE7753ARSZ can be used in energy management systems for monitoring and controlling energy consumption in buildings, factories, and other facilities.



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD9831ASTZ

Analog Devices, Inc

QFP

AD5447YRUZ

Analog Devices, Inc

TSSOP

AD5302BRMZ

Analog Devices, Inc

MSOP10

AD5531BRUZ

Analog Devices, Inc

TSSOP16

AD537JH

Analog Devices, Inc

CAN10

AD652AQ

Analog Devices, Inc

DIP

AD654JN

Analog Devices, Inc

DIP8

AD7740YRMZ

Analog Devices, Inc

MSOP8

AD9914BCPZ

Analog Devices, Inc

LFCSP

AD73311ARSZ

Analog Devices, Inc

SSOP20

AD7291BCPZ

Analog Devices, Inc

LFCSP20

AD9954YSVZ

Analog Devices, Inc

QFP

AD2S1205YSTZ

Analog Devices, Inc

LQFP44