

Quad Parametric Measurement Unit, Integrated 16 Bit DAC, 10 V to 28 V, HTQFP-80



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	TQFP-80
Product Type	Specialty Amplifiers ; ATE: DPS & PMU
RoHS	Rohs
Lifecycle	

Please submit RFQ for AD5522JSVUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The PMU functions are controlled via a simple 3-wire serial interface compatible with SPI, QSPI™, MICROWIRE™, and DSP interface standards. Interface clocks of 50 MHz allow fast updating of modes. The low voltage differential signaling (LVDS) interface protocol at 83 MHz is also supported. Comparator outputs are provided per channel for device go-no-go testing and characterization. Control registers allow the user to easily change force or measure conditions, DAC levels, and selected current ranges. The SDO (serial data output) pin allows the user to read back information for diagnostic purposes.

Features

Quad parametric measurement unit (PMU) FV, FI, FN (high-Z), MV, MI functions

4 Programmable Current Ranges (Internal RSENSE) $\pm 5\mu\text{A}$, $\pm 20\mu\text{A}$, $\pm 200\mu\text{A}$ and $\pm 2\text{mA}$, Instrumentation SMU (Source Measure Unit) Precision Measurement

1 Programmable Current Range up to $\pm 80\text{mA}$ (external RSENSE)

22.5 V FV Range with Asymmetrical Operation

Integrated 16-Bit DACs Provide Programmable Levels

Gain and offset correction on chip

Low capacitance outputs suited to relay less systems

On-chip comparators per channel

See Data Sheet for Additional Information

Application

Automatic Test Equipment (ATE) per pin Parametric Measurement Unit Continuity & Leakage Testing Device Power Supply





Related Products



[ADP3336ARMZ-REEL7](#)

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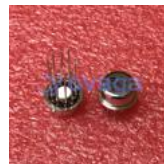
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