

+3.3 V/+5 V Multiplying 12-Bit DAC With a Parallel Interface; Package: SOIC - Wide; No of Pins: 20; Temperature Range: Commercial

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-20
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7945BRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7943, AD7945 and AD7948 are fast 12-bit multiplying DACs that operate from a single +5 V supply (Normal Mode) and a single +3.3 V to +5 V supply (Biased Mode). The AD7943 has a serial interface, the AD7945 has a 12-bit parallel interface, and the AD7948 has an 8-bit byte interface. They will replace the industry-standard AD7543, AD7545 and AD7548 in many applications, and they offer superior speed and power consumption performance.

The AD7943 is available in 16-pin DIP, 16-pin SOP (Small Outline Package) and 20-pin SSOP (Shrink Small Outline Package).

The AD7945 is available in 20-pin DIP, 20-pin SOP and 20-pin SSOP.

The AD7948 is available in 20-pin DIP, 20-pin SOP and 20-pin SSOP.

Features

12-Bit Multiplying DACs

0.5 LSBs INL and DNL

Fast Interface: 40 ns Strobe Pulsewidth (AD7943) 40 ns Write Pulsewidth (AD7945, A7948)

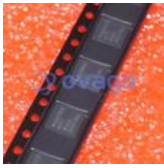
Guaranteed Specifications with +3.3 V/+5 Supply

Low Power: 5 μ W typ

Low Glitch: 60 nV-s with Amplifier Connected

Fast Settling: 600 ns to 0.01% with AD843

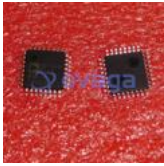
Related Products



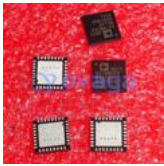
[ADAS3022BCPZ](#)
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LFCSP-40



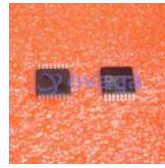
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