

DAC712UK

DAC 1-CH R-2R 16-bit 28-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP28
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free W
Lifecycle:	Obsolete



Images are for reference only

Inquiry

General Description

The DAC712 is a complete 16-bit resolution digital-to-analog (D/A) converter with 16 bits of monotonicity over temperature.

The DAC712 has a precision +10V temperature-compensated voltage reference, ±10V output amplifier, and 16-bit port bus interface.

The digital interface is fast, 60ns minimum write pulse width, double-buffered, and has a CLEAR function that resets the analog output to bipolar zero.

GAIN and OFFSET adjustment inputs are arranged so that they can be easily trimmed by external D/A converters as well as by potentiometers.

The DAC712 is available in two linearity error performance grades: $\pm 4LSB$ and $\pm 2LSB$, and three differential linearity grades: $\pm 4LSB$, $\pm 2LSB$, and $\pm 1LSB$. The DAC712 is specified at power-supply voltages of $\pm 12V$ and $\pm 15V$.

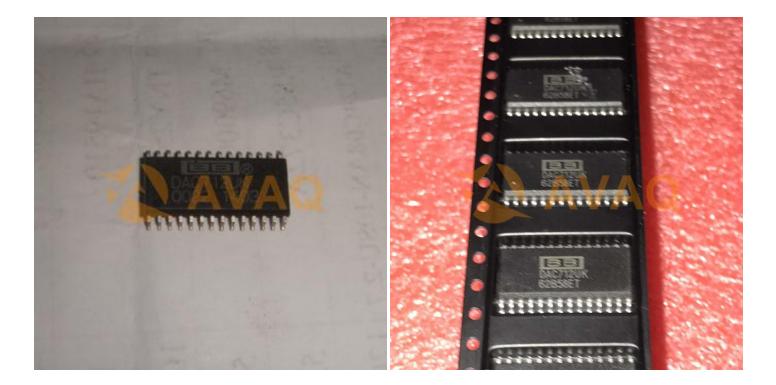
The DAC712 is packaged in a 28-pin, 0.3" wide plastic DIP and in a 28-lead, wide-body plastic SOIC. The DAC712P, U, PB, and UB are specified over the -0°C to +85°C temperature range and the DAC712PK, UK, PL, and UL are specified over the 0°C to +70°C range.

Key Features

High-speed, 16-bit parallel double-buffered interface

Power dissipation - 600mW maximum

Green product and no Sb/Br



Recommended For You

DAC6578SPW Texas Instruments, Inc TSSOP-16

DAC0800LCM Texas Instruments, Inc SOP16

DAC38J84IAAV

Texas Instruments, Inc

BGA

DAC712UB Texas Instruments, Inc SOP28

DAC108S085CIMI/NOPB Texas Instruments, Inc TSSOP-16

DAC7802KU Texas Instruments, Inc SOP24

DAC1220E Texas Instruments, Inc SSOP16

DAC8043U Texas Instruments, Inc SOP8

DAC7634E Texas Instruments, Inc SSOP48

DAC8164IAPW Texas Instruments, Inc TSSOP DAC122S085CIMM/NOPB

Texas Instruments, Inc MSOP10

DAC7625U

Texas Instruments, Inc SOP28

DAC7734E

Texas Instruments, Inc SSOP48

DAC7614UB

Texas Instruments, Inc SOP16

DAC7573IPW Texas Instruments, Inc TSSOP-16