
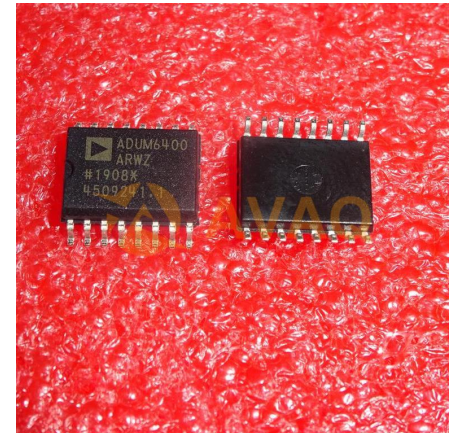


## Digital Isolator CMOS 4-CH 1Mbps 16-Pin SOIC W Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SOP16
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The ADuM640x devices are quad-channel digital isolators with isoPower®, an integrated, isolated DC/DC converter. Based on the Analog Devices, Inc., iCoupler® technology, the DC/DC converter provides up to 500 mW of regulated, isolated power at either 5.0 V or 3.3 V from a 5.0 V input supply, or 3.3 V from a 3.3 V supply at the power levels shown in Table 1. This eliminates the need for a separate, isolated DC/DC converter in low power, isolated designs. The iCoupler chip scale transformer technology is used to isolate the logic signals and for the magnetic components of the DC/DC converter. The result is a small form factor, total isolation solution.

The ADuM640x isolators provide four independent isolation channels in a variety of channel configurations and data rates (see the Ordering Guide for more information).

isoPower uses high frequency switching elements to transfer power through its transformer. Special care must be taken during printed circuit board (PCB) layout to meet emissions standards. Refer to the AN-0971 application note for board layout recommendations at [www.analog.com](http://www.analog.com).

## Key Features

isoPower integrated, isolated DC/DC converter

Regulated 3.3 V or 5 V output

Up to 400 mW output power

Quad dc-to-25 Mbps (NRZ) signal isolation channels

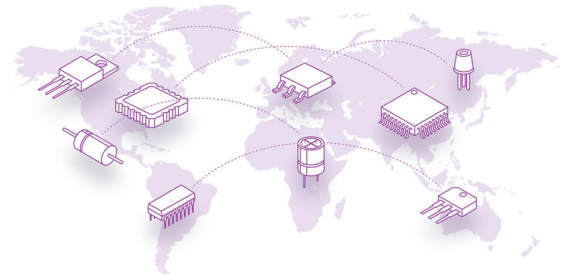
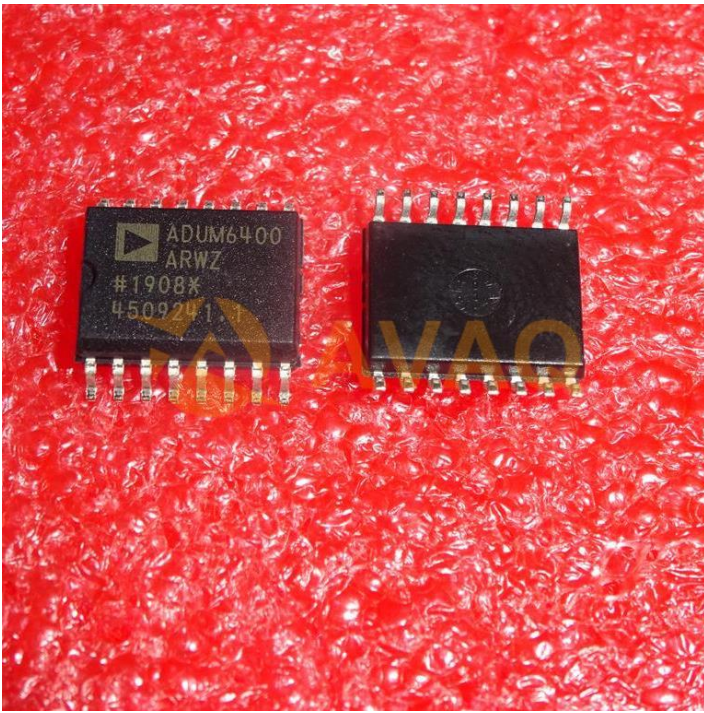
Schmitt trigger inputs

16-lead SOIC package with 7.6 mm creepage

High temperature operation: 105°C

High common-mode transient immunity: >25 kV/μs

See data sheet for additional features



## Recommended For You

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### **ADM3490EARZ**

Analog Devices, Inc

SOP-8

### **ADuM3160BRWZ-RL**

Analog Devices, Inc

SOP16

### **ADM3232EARUZ**

Analog Devices, Inc

TSSOP-16

### **ADuM5211ARSZ**

Analog Devices, Inc

SSOP20

### **ADuMI201BRZ-RL7**

Analog Devices, Inc

SOP8

### **ADV7623BSTZ**

Analog Devices, Inc

LQFP144

### **ADuMI410BRWZ**

Analog Devices, Inc

SOP16

### **AD698APZ**

Analog Devices, Inc

PLCC28

### **ADM3251EARWZ**

Analog Devices, Inc

SOP20

### **ADM485ANZ**

Analog Devices, Inc

DIP

### **ADuMI281BRZ**

Analog Devices, Inc

SOP8

### **ADUM142E0BRZ**

Analog Devices, Inc

SOP-16

### **ADuMI412BRWZ**

Analog Devices, Inc

SOP16

### **ADV7622BSTZ**

Analog Devices, Inc

TQFP144

### **ADAU1328BSTZ**

Analog Devices, Inc

QFP