



## Digital Isolators Selection Tables

The following selection table contains information for iCoupler Digital Isolators.

Product	Model	No. Channels	Channel Config.*	Insulation Rating (KVrms)	Max. Data Rate, 5V (Mbps)	Max. Prop. Delay, 5V (ns)	Output Voltage (V)	Max. Oper. Temp. (deg. C)	Package	Price/ Unit (1K pcs.)
Single and Multichannel Digital Isolators										
ADuM1100	<a href="#">ADuM1100ARZ</a>	1	1/0	2.5	25	18	3.0 - 5.5	105	8-Lead Narrow Body SOIC	\$1.61
	<a href="#">ADuM1100BRZ</a>	1	1/0	2.5	100	18	3.0 - 5.5	105	8-Lead Narrow Body SOIC	\$1.84
	<a href="#">ADuM1100URZ</a>	1	1/0	2.5	100	18	3.0 - 5.5	125	8-Lead Narrow Body SOIC	\$2.76
ADuM120x	<a href="#">ADuM1200ARZ</a>	2	2/0	2.5	1	150	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.21
	<a href="#">ADuM1200BRZ</a>	2	2/0	2.5	10	50	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.76
	<a href="#">ADuM1200CRZ</a>	2	2/0	2.5	25	45	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$2.44
	<a href="#">ADuM1201ARZ</a>	2	1/1	2.5	1	150	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.21
	<a href="#">ADuM1201BRZ</a>	2	1/1	2.5	10	50	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.76
	<a href="#">ADuM1201CRZ</a>	2	1/1	2.5	25	45	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$2.44
ADuM130x	<a href="#">ADuM1300ARWZ</a>	3	3/0	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$1.61
	<a href="#">ADuM1300BRWZ</a>	3	3/0	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.42
	<a href="#">ADuM1300CRWZ</a>	3	3/0	2.5	90	32	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.65
	<a href="#">ADuM1301ARWZ</a>	3	2/1	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$1.61
	<a href="#">ADuM1301BRWZ</a>	3	2/1	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.42
	<a href="#">ADuM1301CRWZ</a>	3	2/1	2.5	90	32	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.65
ADuM140x	<a href="#">ADuM1400ARWZ</a>	4	4/0	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.15
	<a href="#">ADuM1400BRWZ</a>	4	4/0	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.22
	<a href="#">ADuM1400CRWZ</a>	4	4/0	2.5	90	32	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$4.31
	<a href="#">ADuM1401ARWZ</a>	4	3/1	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.15
	<a href="#">ADuM1401BRWZ</a>	4	3/1	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.22
	<a href="#">ADuM1401CRWZ</a>	4	3/1	2.5	90	32	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$4.31

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The following selection table contains information for *i*Coupler Digital Isolators with Default Output Low or Programmable.

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ADuM141x	<a href="#">ADuM1410BRWZ</a>	4	4/0	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.22
	<a href="#">ADuM1411ARWZ</a>	4	3/1	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.15
	<a href="#">ADuM1411BRWZ</a>	4	3/1	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.22
	<a href="#">ADuM1412ARWZ</a>	4	2/2	2.5	1	100	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$2.15
	<a href="#">ADuM1412BRWZ</a>	4	2/2	2.5	10	50	2.7 - 5.5	105	16-Lead Wide Body SOIC	\$3.22

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\* Channel configuration refers to the directionality of the isolation channels. For products with integrated, isolated power, the second number corresponds to the number of inputs on the side with the isolated power. For example, "2/1" means two channels communicate in one direction while the third channel communicates in the reverse direction, with two inputs on the non-isolated supply side, and one input on the isolated supply side.

The following selection table contains information for Bidirectional iCoupler Digital Isolators

Product	Model	No. Channels	Serial Data	Serial Clock	Insulation Rating (KVRms)	Data Rate (Mbps)	Max. Oper. Temp. (deg. C)	Package	Price/ Unit (1K pcs.)
<b>I<sup>2</sup>C Compliant Bidirectional Digital Isolators</b>									
ADuM1250	<a href="#">ADuM1250BRZ</a>	2	Bidirectional	Bidirectional	2.5	1	105	8-Lead Narrow Body SOIC	\$3.38
ADuM1251	<a href="#">ADuM1251BRZ</a>	2	Bidirectional	Unidirectional	2.5	1	105	8-Lead Narrow Body SOIC	\$3.05
ADuM2250	<a href="#">ADuM2250BRWZ</a>	2	Bidirectional	Bidirectional	5.0	1	105	16-Lead Wide Body SOIC	\$3.99
ADuM2251	<a href="#">ADuM2251BRWZ</a>	2	Bidirectional	Unidirectional	5.0	1	105	16-Lead Wide Body SOIC	\$3.59

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The following selection table contains information for ruggedized iCoupler Digital Isolators subject to harsh system-level ESD conditions \*

Product	Model	No. Channels	Channel Config.*	Insulation Rating (KVRms)	Max. Data Rate, 5V (Mbps)	Max. Prop. Delay, 5V (ns)	Output Voltage (V)	Max. Oper. Temp. (deg. C)	Package	Price/ Unit (1K pcs.)
<b>Single and Multichannel Digital Isolators Ruggedized for System-Level ESD</b>										
ADuM3100	<a href="#">ADuM3100ARZ</a>	1	1/0	2.5	25	18	3.0 - 5.5	105	8-Lead Narrow Body SOIC	\$1.69
	<a href="#">ADuM3100BRZ</a>	1	1/0	2.5	100	18	3.0 - 5.5	105	8-Lead Narrow Body SOIC	\$1.93
ADuM320x	<a href="#">ADuM3200ARZ</a>	2	2/0	2.5	1	150	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.27
	<a href="#">ADuM3200BRZ</a>	2	2/0	2.5	10	50	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.85
	<a href="#">ADuM3200CRZ</a>	2	2/0	2.5	25	45	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$2.56
	<a href="#">ADuM3201ARZ</a>	2	1/1	2.5	1	150	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.27
	<a href="#">ADuM3201BRZ</a>	2	1/1	2.5	10	50	2.7 - 5.5	105	8-Lead Narrow Body SOIC	\$1.85
	<a href="#">ADuM3201CRZ</a>	2	1/1	2.5	25	45	2.7 - 5.5	105	8-Lead Narrow	\$2.56

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\*\* Channel configuration refers to the directionality of the isolation channels. For products with integrated, isolated power, the second number corresponds to the number of inputs on the side with the isolated power. For example, "2/1" means two channels communicate in one direction while the third channel communicates in the reverse direction, with two inputs on the non-isolated supply side, and one input on the isolated supply side.

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	<a href="#">ADuM5242ARZ</a>	0/2	2.5	1	2.7 - 5.5	5.0 - 5.5	10	105	8-Lead Narrow Body SOIC	\$2.95
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\* Channel Config Note: Channel configuration refers to the directionality of the isolation channels. The first number corresponds to the number of inputs on the side with the non-isolated supply, and the second number corresponds to the number of inputs on the side with the isolated power output. For example, "0/2" means the inputs of the two data channels are on the same side as the isolated power output.

The following selection table contains information for iCoupler isolated gate drivers.

Product	Model	No. Channels	Insulation Rating (kVrms)	Output Voltage Range (V)	Max Peak Output Current (A)	Max Channel-to- Channel Matching (ns)	Max Working Insulation Voltage Input- Output / Output- Output (Vpeak)	Package	Price/ Unit (1K pcs.)
Isolated Gate Drivers									
ADuM1230*	<a href="#">ADuM1230BRWZ</a>	2	2.5	12 to 18	0.1	5	700/700	16-Lead Wide Body SOIC	\$1.84
ADuM1233	<a href="#">ADuM1233BRWZ</a>	2	2.5	12 to 18	0.1	5	700/700	16-Lead Wide Body SOIC	\$1.84
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\* The ADuM1230 is no longer recommended for new designs.

The following selection table contains information for Isolated  $\Sigma$ - $\Delta$  Modulators.

Part #	Resolution (Bits)	Throughput (MSPS)	Digital Isolation Voltage (kV)	Clock Source	Output Data Format	Power Dissipation (mW)	Power Supply Voltage (V)	Package	Price (1k Pcs)
$\Sigma$ - $\Delta$ Modulators									
<a href="#">AD7400</a>	16	10	3.75	Internal	SPI	90	5	16-Pin SOIC	\$4.00
<a href="#">AD7401</a>	16	18	3.75	External	SPI	90	5	16-Pin SOIC	\$4.00
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The following selection table contains information for Isolated RS-485 Transceivers.

Part	FD/HD	Data Rate	Isolation Rating (V rms)	Temperature Range (C)	Package	Integrated Transformer Driver	Price@1KU
RS-485 Transceivers							
<a href="#">ADM2483</a>	HD	500 Kbps	2500	-40 to +85	16 Wide SO	--	\$3.00
<a href="#">ADM2485</a>	HD	16 Mbps	2500	-40 to +85	16 Wide SO	Yes	\$5.50
<a href="#">ADM2486</a>	HD	20 Mbps	2500	-40 to +85	16 Wide SO	--	\$4.98
<a href="#">ADM2490E</a>	FD	16 Mbps	5000	-40 to +105	16 Wide SO	--	\$4.50
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