# 1W and 2W Miniature Isolated DC/DC Converters





## **Product Selector Guide**

DCH01 Series 1\	N Unregulate	ed DC/DC Converters				
Device	Input Bus Voltage	Description	Package Type	Output Current (mA)	V <sub>out</sub>	Isolation Voltage
DCH010505S	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	200	5	3000
DCH010505D	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	100	±5	3000
DCH010512S	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	83	12	3000
DCH010512D	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	42	±12	3000
DCH010515S	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	67	15	3000
DCH010515D	5	1W Isolated, Unregulated DC/DC Converter	SIP-7	33	±15	3000
DCP01 Series 1V	W Unregulate	d DC/DC Converters				
Device	Input Bus Voltage	Description	Package Type	Output Current (mA)	V <sub>out</sub>	Isolation Voltage
DCP010505B	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	200	5	1000
DCP010505DB	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	100	±5	1000
DCP010507DB	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	70	±7	1000
DCP010512B	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	83	12	1000
DCP010512DB	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	41	±12	1000
DCP010515B	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	67	15	1000
DCP010515DB	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	33	±15	1000
DCP011512DB	15	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	41	±12	1000
DCP011515DB	15	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	33	±15	1000
DCP012405B	24	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	200	5	1000
DCP012415DB	24	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	33	±15	1000
DCP02 Series 2V	W Unregulate	d DC/DC Converters				
Device	Input Bus Voltage	Description	Package Type	Output Current (mA)	$V_{\text{out}}$	Isolation Voltage
DCP020503	5	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	606	3.3	1000
DCP020505	5	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	400	5	1000
DCP020507	5	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	286	7	1000
DCP020509	5	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	222	9	1000
DCP020515D	5	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	66	±15	1000
DCP021205	12	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	400	5	1000
DCP021212	12	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	167	12	1000
DCP021212D	12	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	83	±12	1000
DCP021515	15	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	133	15	1000
DOD000405	24	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	400	5	1000
DCP022405			,			
DCP022405 DCP022405D	24	2W Isolated, Unregulated DC/DC Converter	DIP-14, SO-28	200	±5	1000

DCR01 Series	1W Regula	ted DC/DC Converters				
Device	Input Bus Voltage		Package Type	Output Current (mA)	V <sub>out</sub>	Isolation Voltage
DCR010503	5	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	300	3.3	1000
DCR010505	5	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	200	5	1000
DCR011203	12	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	300	3.3	1000
DCR011205	12	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	200	5	1000
DCR012403	24	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	300	3.3	1000
DCR012405	24	1W Isolated, Regulated DC/DC Converter	DIP-18, SO-28	200	5	1000
DCR02 Series	2W Regula	ited DC/DC Converters				
	Input Bus			Output Current		Isolation
Device	Voltage	Description	Package Type	(mA)	V <sub>OUT</sub>	Voltage
DCR021205	12	2W Isolated, Regulated DC/DC Converter	DIP-18, SO-10	400	5	1000
DCR022405	24	2W Isolated, Regulated DC/DC Converter	DIP-18, SO-10	400	5	1000
DCV01 Series 1W Unregulated DC/DC Converters						
Device	Input Bus Voltage	Description	Package Type	Output Current (mA)	V <sub>OUT</sub>	Isolation Voltage
DCV010505	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	200	5	1500
DCV010505D	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	200	±5	1500
DCV010512	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	83	12	1500
DCV010512D	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	83	±12	1500
DCV010515	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	67	15	1500
DCV010515D	5	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	67	±15	1500
DCV011512D	15	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	41	±12	1500
DCV011515D	15	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	33	±15	1500
DCV012405	24	1W Isolated, Unregulated DC/DC Converter	DIP-14, Gull Wing	200	5	1500

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1W Isolated, Unregulated DC/DC Converter

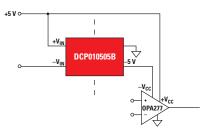
# **Application Examples**

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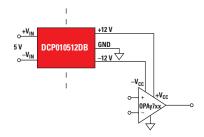
Positive and Negative Voltage from Single Supply

Positive and Negative Voltage from Single Supply

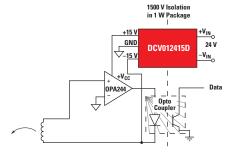
DIP-14, Gull Wing

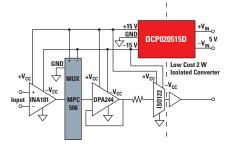


AC or DC Instrumentation Amplifier









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