

**2W DUAL OUTPUT DC-DC CONVERTER**

Type	V <sub>in</sub>	V <sub>out</sub>	I <sub>out</sub>
GS2T5-D12	5 V	±12 V	±100mA

**DESCRIPTION**

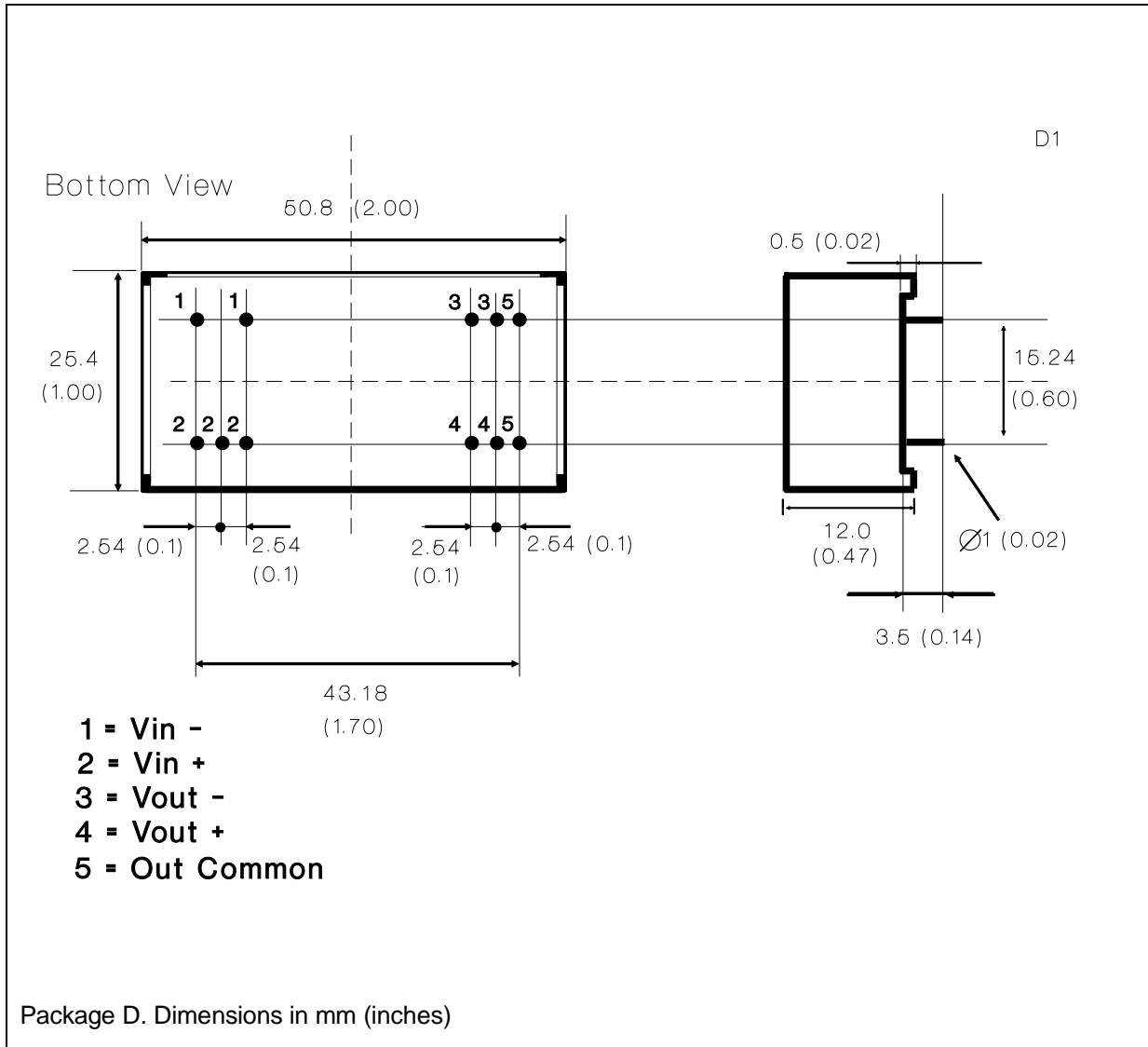
The GS2T5-D12 is a 2W DC-DC converter designed to provide an isolated +12V/100mA and -12V/100mA power source.

The module operates from a 5V input source and offers 2500Vdc isolation.


**ELECTRICAL CHARACTERISTICS** (T<sub>amb.</sub> = 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V <sub>i</sub>	Input Voltage	V <sub>o1</sub> = +12V V <sub>o2</sub> = -12V I <sub>o1</sub> = 0 to 100mA I <sub>o2</sub> = 0 to -100mA	4.75	5.00	5.25	V
I <sub>ir</sub>	Input Reflected Current	V <sub>i</sub> = 4.75 to 5.25V Full Load		50	75	mApp
V <sub>o1</sub>	Output Voltage 1	V <sub>i</sub> = 4.75 to 5.25V I <sub>o1</sub> = 0 to 100mA	10.8	12.0	13.2	V
V <sub>o2</sub>	Output Voltage 2	V <sub>i</sub> = 4.75 to 5.25V I <sub>o2</sub> = 0 to -100mA	-10.8	-12.0	-13.2	V
V <sub>or1</sub>	Output Ripple Voltage 1	V <sub>i</sub> = 4.75 to 5.25 I <sub>o1</sub> = 100mA			100	mVrms
V <sub>or2</sub>	Output Ripple Voltage 2	V <sub>i</sub> = 4.75 to 5.25 I <sub>o2</sub> = -100mA			100	mVrms
I <sub>o1</sub>	Output Current 1	V <sub>i</sub> = 4.75 to 5.25V V <sub>o1</sub> = 12V	0		100	mA
I <sub>o2</sub>	Output Current 2	V <sub>i</sub> = 4.75 to 5.25V V <sub>o2</sub> = -12V	0		-100	mA
V <sub>is</sub>	Isolation Voltage		2500			Vdc
η	Efficiency	V <sub>i</sub> = 5V Full Load	70	75		%
T <sub>op</sub>	Operating Temperature Range		0		+70	°C
T <sub>stg</sub>	Storage Temperature Range		-40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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