

## 2W DUAL OUTPUT DC-DC CONVERTER

Type	V <sub>in</sub>	V <sub>out</sub>	I <sub>out</sub>
GS2T5-D5	5 V	±5 V	±200 mA

### DESCRIPTION

The GS2T5-D5 is a 2W DC-DC converter designed to provide an isolated +5V/200mA and -5V/200mA power source.

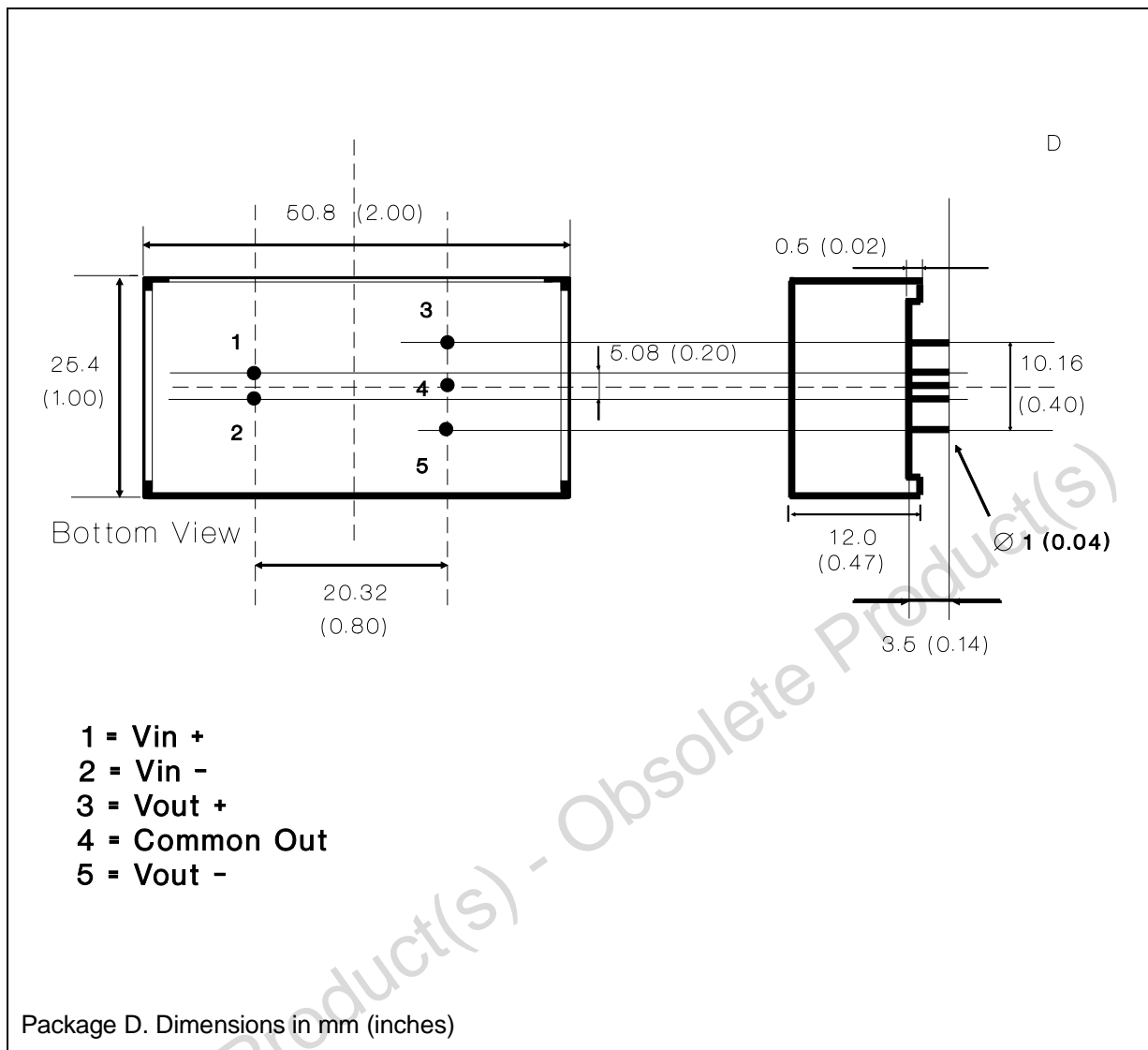
The module operates from a 5V input source and offers 2500Vdc isolation.



### 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> = +5V V <sub>o2</sub> = -5V I <sub>o1</sub> = 0 to 200mA I <sub>o2</sub> = 0 to -200mA	4.75	5.00	5.25	V
I <sub>ir</sub>	Input Reflected Current	V <sub>i</sub> = 4.75 to 5.25 V Full Load		25	40	mApp
V <sub>o1</sub>	Output Voltage 1	V <sub>i</sub> = 4.75 to 5.25V I <sub>o1</sub> = 0 to 200mA	4.75	5.00	5.25	V
V <sub>o2</sub>	Output Voltage 2	V <sub>i</sub> = 4.75 to 5.25V I <sub>o2</sub> = 0 to -200mA	-4.75	-5.00	-5.25	V
V <sub>or1</sub>	Output Ripple Voltage 1	V <sub>i</sub> = 4.75 to 5.25 I <sub>o1</sub> = 200mA			20	mVrms
V <sub>or2</sub>	Output Ripple Voltage 2	V <sub>i</sub> = 4.75 to 5.25 I <sub>o2</sub> = -200mA			20	mVrms
I <sub>o1</sub>	Output Current 1	V <sub>i</sub> = 4.75 to 5.25V V <sub>o1</sub> = 5V	0		200	mA
I <sub>o2</sub>	Output Current 2	V <sub>i</sub> = 4.75 to 5.25V V <sub>o2</sub> = -5V	0		-200	mA
V <sub>ic</sub>	Isolation Voltage		2500			Vdc
f <sub>s</sub>	Switching Frequency	V <sub>i</sub> = 5V Full Load		20		kHz
η	Efficiency	V <sub>i</sub> = 5V Full Load	55	62		%
T <sub>op</sub>	Operating Ambient Temperature Range		0		+55	°C
T <sub>stg</sub>	Storage Temperature Range		-40		+85	°C

## CONNECTION DIAGRAM AND MECHANICAL DATA



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