

2W DUAL OUTPUT DC-DC CONVERTER

Type	V _{in}	V _{out}	I _{out}
GS2T5-D5	5 V	±5 V	±200 mA

DESCRIPTION

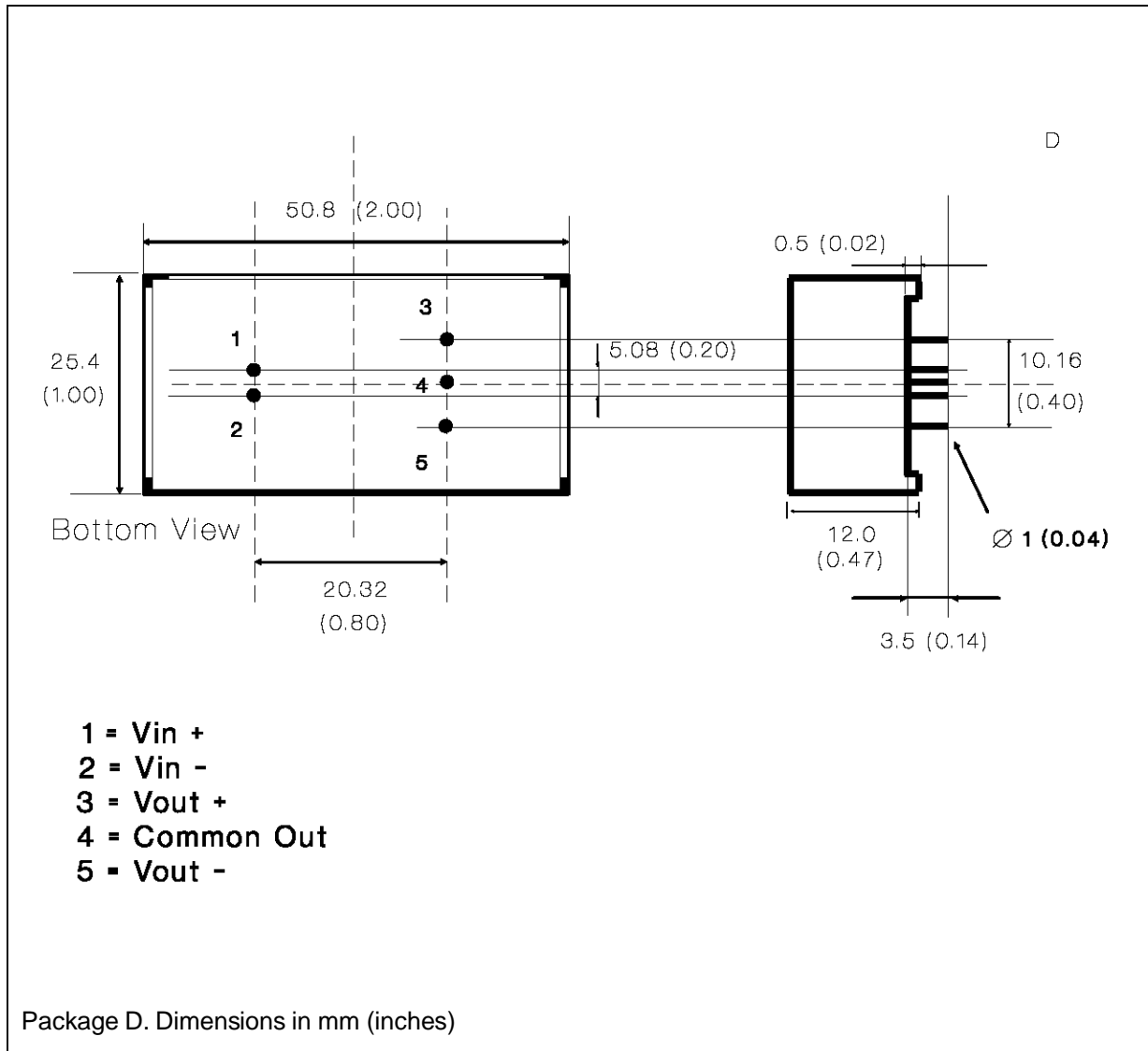
The GS2T5-D5 is a 2W DC-DC converter designed to provide an isolated +5V/200mA and -5V/200mA power source.

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


ELECTRICAL CHARACTERISTICS (T_{amb.} = 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _{o1} = +5V V _{o2} = -5V I _{o1} = 0 to 200mA I _{o2} = 0 to -200mA	4.75	5.00	5.25	V
I _{ir}	Input Reflected Current	V _i = 4.75 to 5.25V Full Load		25	40	mApp
V _{o1}	Output Voltage 1	V _i = 4.75 to 5.25V I _{o1} = 0 to 200mA	4.75	5.00	5.25	V
V _{o2}	Output Voltage 2	V _i = 4.75 to 5.25V I _{o2} = 0 to -200mA	-4.75	-5.00	-5.25	V
V _{or1}	Output Ripple Voltage 1	V _i = 4.75 to 5.25 I _{o1} = 200mA			20	mVrms
V _{or2}	Output Ripple Voltage 2	V _i = 4.75 to 5.25 I _{o2} = -200mA			20	mVrms
I _{o1}	Output Current 1	V _i = 4.75 to 5.25V V _{o1} = 5V	0		200	mA
I _{o2}	Output Current 2	V _i = 4.75 to 5.25V V _{o2} = -5V	0		-200	mA
V _{is}	Isolation Voltage		2500			Vdc
f _s	Switching Frequency	V _i = 5V Full Load		20		kHz
η	Efficiency	V _i = 5V Full Load	55	62		%
T _{op}	Operating Ambient Temperature Range		0		+55	°C
T _{stg}	Storage Temperature Range		-40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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