

2W DUAL OUTPUT DC-DC CONVERTER

| Type | V _{in} | V _{out} | I _{out} |
|-----------|-----------------|------------------|------------------|
| 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.

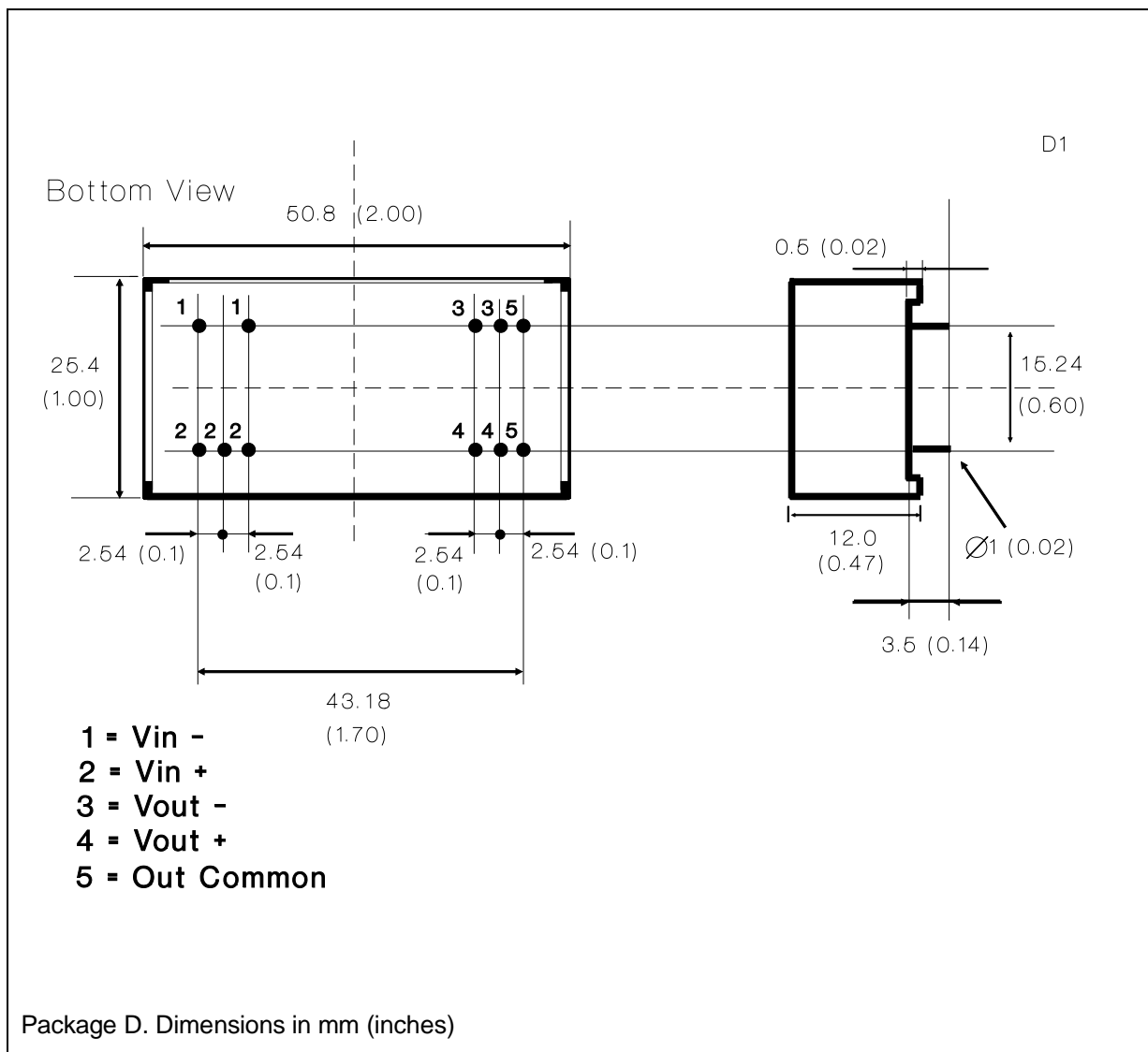
The module operates from a 5V input source and offers 2500Vdc isolation.



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

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

CONNECTION DIAGRAM AND MECHANICAL DATA



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