

2 W DC-DC CONVERTER

Type	V_i	V_o	I_o
GS2T5-5	5 V	5 V	400 mA

DESCRIPTION

The GS2T5-5 is a 2W DC-DC converter designed to provide an isolated 5V/400mA power source.

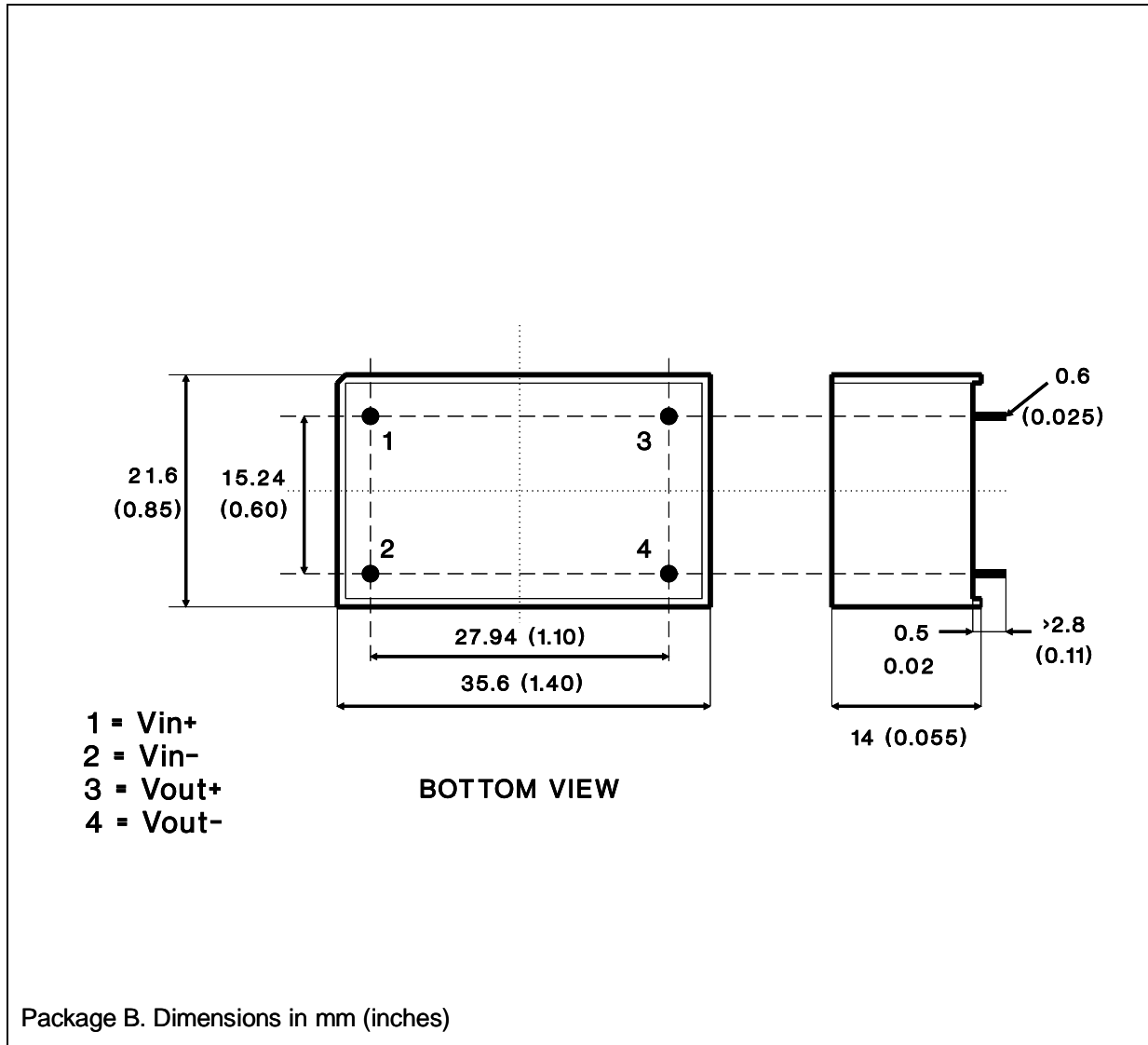
The module operates from a 5V input source and it offers 1500V_{DC} isolation.

**ELECTRICAL CHARACTERISTICS** ($T_{amb.} = 25^{\circ} \text{C}$ unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V_i	Input Voltage	$V_o = 5V$ $I_o = 0$ to 400mA	4.50	5	5.50	V
I_{ir}	Input Reflected Current	$V_i = 5V$ $V_o = 5V$ $I_o = 400mA$		25	40	mApp
V_o	Output Voltage	$V_i = 4.5$ to 5.5V $I_o = 0$ to 400mA	4.75	5	5.25	V
V_{or}	Output Ripple Voltage	$V_i = 5V$ $V_o = 5V$ $I_o = 40$ to 400mA		90	120	mVpp
δV_{OL}	Line Regulation	$V_i = 4.5$ to 5.5V $I_o = 400mA$			5	mV
δV_{OO}	Load Regulation	$V_i = 5V$ $I_o = 40$ to 400mA			10	mV
I_o	Output Current*	$V_i = 4.5$ to 5.5V $V_o = 5V$	0		400	mA
V_{is}	Isolation Voltage	Input to Output	1500			VDC
η	Efficiency	$V_i = 5V$ $V_o = 5V$ $I_o = 400mA$	67	70		%
T_{op}	Operating Ambient Temperature Range		0		+70	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		-40		+85	$^{\circ}\text{C}$

* Note: when output current is less than 40mA, output ripple voltage increases due to discontinuous operation.

CONNECTION DIAGRAM AND MECHANICAL DATA



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