

GS2T5-5

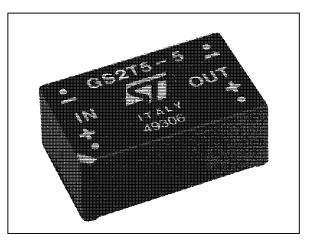
2 W DC-DC CONVERTER

Туре	Vi	Vo	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 1500VDC isolation.

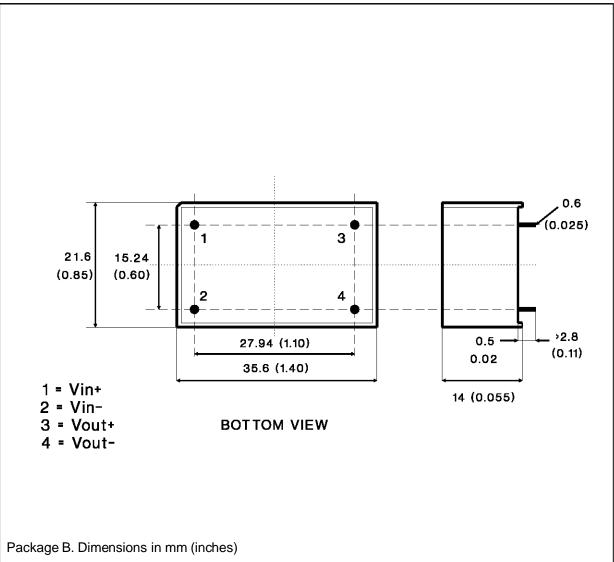


ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions		Min	Тур	Max	Unit
Vi	Input Voltage	$V_0 = 5V$	I ₀ = 0 to 400mA	4.50	5	5.50	V
lir	Input Reflected Current	$V_i = 5V$ $V_0 = 5V$	I ₀ = 400mA		25	40	mApp
Vo	Output Voltage	$V_i = 4.5 \text{ to } 5.5 \text{V}$	I ₀ = 0 to 400mA	4.75	5	5.25	V
Vor	Output Ripple Voltage	Vi = 5V Vo = 5V	$I_0 = 40$ to 400mA		90	120	mVpp
δVol	Line Regulation	Vi = 4.5 to 5.5V	lo = 400mA			5	mV
δνοο	Load Regulation	$V_i = 5V$	I ₀ = 40 to 400mA			10	mV
lo	Output Current*	$V_i = 4.5 \text{ to } 5.5 \text{V}$ $V_0 = 5 \text{V}$		0		400	mA
Vis	Isolation Voltage	Input to Output		1500			VDC
η	Efficiency	$V_i = 5V$ $V_0 = 5V$	I ₀ = 400mA	67	70		%
Тор	Operating Ambient Temperature Range			0		+70	°C
T _{stg}	Storage Temperature Range			- 40		+85	°C

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





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