

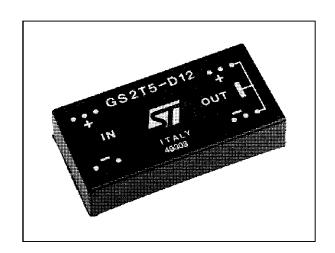
2W DUAL OUTPUT DC-DC CONVERTER

Туре	V _{in}	V _{out}	l _{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.

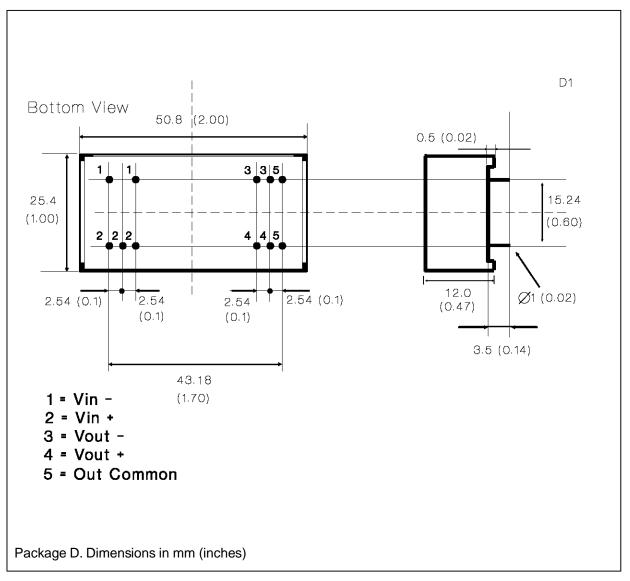


ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Vi	Input Voltage	V ₀₁ = +12V	4.75	5.00	5.25	V
lir	Input Reflected Current	V _i = 4.75 to 5.25V Full Load		50	75	mApp
V _o 1	Output Voltage 1	Vi = 4.75 to 5.25V Io1 = 0 to 100mA	10.8	12.0	13.2	V
V _o 2	Output Voltage 2	V _i = 4.75 to 5.25V I ₀ 2 = 0 to -100mA	-10.8	-12.0	-13.2	V
Vor1	Output Ripple Voltage 1	Vi = 4.75 to 5.25 lo1 = 100mA			100	mVrms
Vor2	Output Ripple Voltage 2	V _i = 4.75 to 5.25 lo2 = -100mA			100	mVrms
lo1	Output Current 1	Vi = 4.75 to 5.25V Vo1 = 12V	0		100	mA
lo2	Output Current 2	$V_i = 4.75 \text{ to } 5.25 \text{V}$ $V_{02} = -12 \text{V}$	0		-100	mA
Vis	Isolation Voltage		2500			Vdc
η	Efficiency	Vi= 5V Full Load	70	75		%
Тор	Operating Temperature Range		0		+70	°C
Tstg	Storage Temperature Range		-40		+85	°C

December 1993 1/2

CONNECTION DIAGRAM AND MECHANICAL DATA



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