

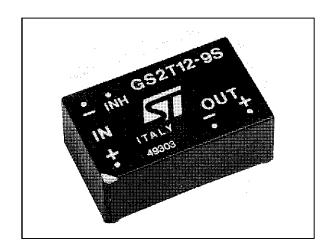
2 W LAN DC-DC CONVERTER

Туре	V _{in}	V _{out}	l _{out}	
GS2T12-9S	9,5 to 15,75 V	9 V	250 mA	

DESCRIPTION

The GS2T12-9S is a 2.25W unregulated DC-DC converter designed to provide power, voltage regulation and isolation for Local Area Network (CHEAPERNET and ETHERNET) transceivers from a wide range of input voltage, according to IEEE 802.3 Standard.

Enable function, active high, is available with CMOS/TTL logic operation compatibility.

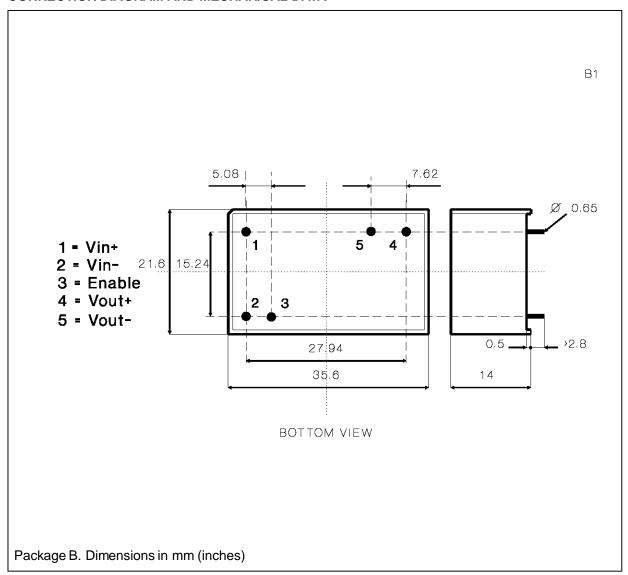


ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions			Тур	Max	Unit
Vi	Input Voltage	V ₀ = -9V	I _O = 0 to 250mA	9.50	12	15.75	V
Vir	Input Ripple	V _i = 12V	I _O = 250mA		45	75	mVpp
lir	Reflected Input Current	Vi= 12V	I _O = 250mA		10	20	mApp
lien	Enable Input Current	V _i = 9.50 to 15.7	5V			0.2	mA
Vo	Output Voltage	Vi= 9.50 to 15.75 lo= 0 to 250mA	V	-8.55	-9.00	-9.45	V
Vor	Output Ripple Voltage	Vi= 12V	l ₀ = 250mA		30	70	mVpp
Vis	Isolation Voltage	Input to Output		2500			Vdc
η	Efficiency	Vi= 12V	I _O = 250mA	68	71		%
Тор	Operating Ambient Temperature Range			0		+70	°C
Tstg	Storage Temperature Range			-40		+85	°C

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CONNECTION DIAGRAM AND MECHANICAL DATA



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