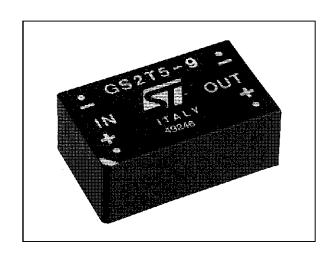


2 W LAN DC-DC CONVERTER

Туре	V _{in}	V _{out}	l _{out}	
GS2T5-9	5 V	9 V	250 mA	

DESCRIPTION

The GS2T5-9 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 standard 5V input voltage, according to IEEE 802.3 Standard.



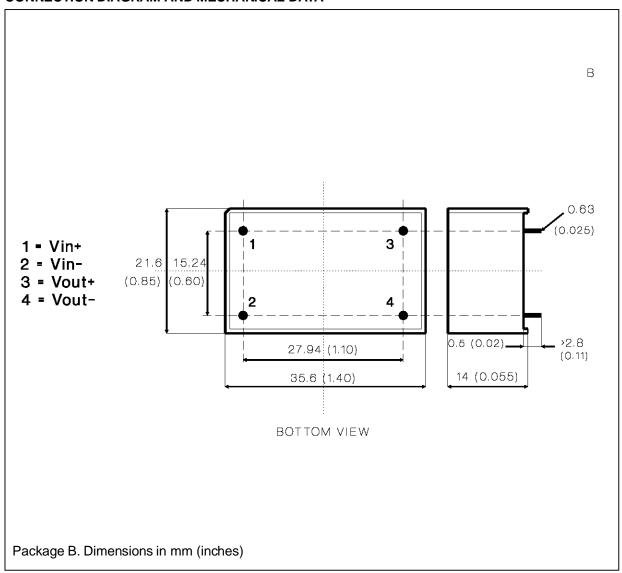
ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Condition s			Тур	Max	Unit
Vi	Input Voltage	V ₀ = -9V	I ₀ = 0 to 250mA	4.5	5	5.5	V
lir	Input Reflected Current	Vi= 5V Vo = -9V	I _O = 250mA		25	30	mApp
Vo	Output Voltage	Vi= 4.5 to 5.5V	I ₀ = 0 to 250mA	-8.55	-9.00	-9.45	V
Vor	Output Ripple Voltage	Vi= 5V	$I_0 = 250 \text{mA}$		7	10	mVrms
δVo	Line Regulation	Vi = 4.5 to 5.5	$I_0 = 250 \text{mA}$			5	mV
δVo	Load Regulation	Vi = 5V	lo = 20 to 250mA			5	mV
lo	Output Current*	Vi = 4.5 to 5.5V	V ₀ = -9V	0		250	mA
Vis	Isolation Voltage			2500			Vdc
η	Efficiency	Vi= 5V	I ₀ = 250mA	70	73		%
Top	Operating Temperature Range			0		+70	°C
Tstg	Storage Temperature Range			-40		+85	°C

 $^{{}^*\ \}text{Note: when output current is less than 20mA, the output ripple voltage increases due to discontinuous operation.}\\$

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CONNECTION DIAGRAM AND MECHANICAL DATA



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