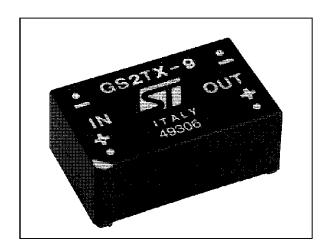


2 W LAN DC-DC CONVERTER

Туре	V _{in}	V _{out}	l _{out}	
GS2TX-9	4,5 to 15,75 V	9 V	250 mA	

DESCRIPTION

The GS2TX-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 wide range of input voltage, according to IEEE 802.3 Standard.



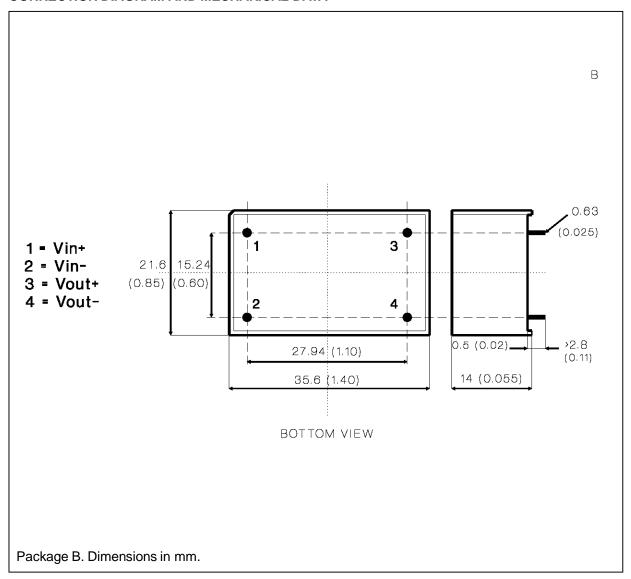
ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Condition s			Тур	Max	Unit			
Vi	Input Voltage	V ₀ = 9V I ₀	_D = 0 to 250mA	4.5		15.75	V			
lir	Input Reflected Current	Vi= 5V Vo= -9V Ic	o = 250mA		25	30	mApp			
lir	Input Reflected Current	Vi = 12V Vo = -9V Io = 250m	A		2	5	mApp			
Vo	Output Voltage	Vi= 4.5 to 15.75V Io= 0 to 250mA		-8.55	-9.00	-9.45	V			
Vor	Output Ripple Voltage	Vi= 5V	I _O = 250mA		7	10	mVrms			
Vor	Output Ripple Voltage	Vi= 12V	I _O = 250mA		2	5	mVrms			
δVo	Line Regulation	V _i = 4.75 to 5.5V	I _O = 250mA			5	mV			
δVo	Load Regulation	Vi= 4.5 to 15.75V	I ₀ = 20 to 250mA			5	mV			
lo	Output Current*	V _i = 4.5 to 15.75V	$V_0 = -9V$	0		250	mA			
Vis	Isolation Voltage			2500			Vdc			
η	Efficiency	Vi= 5V l _O = 250	mA	70	73		%			
η	Efficiency	Vi= 12V Io= 250	mA	75	80		%			
Тор	Operating Ambient Temperature Range			0		+70	°C			
Tstg	Storage Temperature Range			-40		+85	°C			

^{*} When the input voltage is <5V and the 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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