

2 W LAN DC-DC CONVERTER

Type	V _{in}	V _{out}	I _{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.

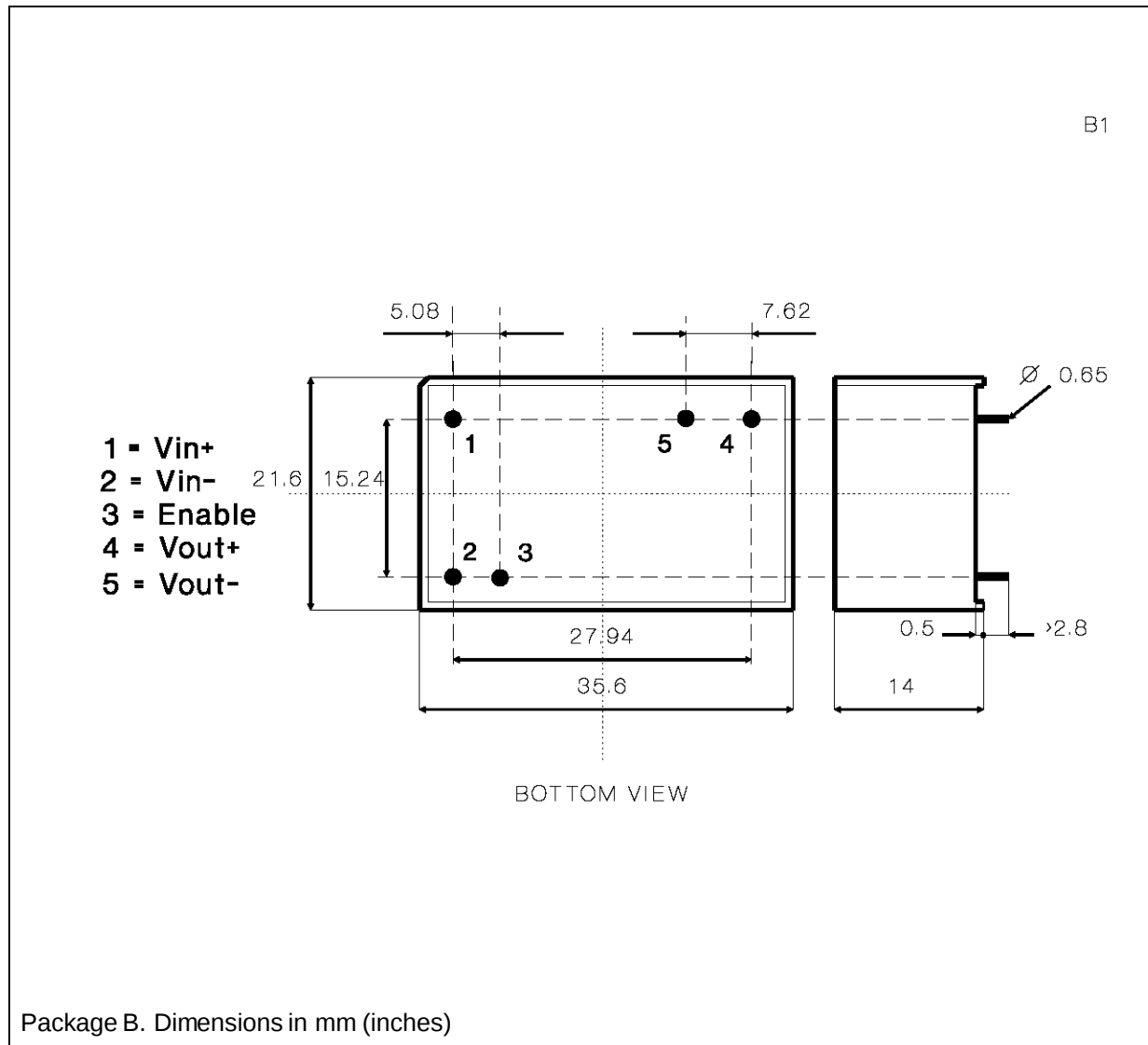
Enable function, active high, is available with CMOS/TTL logic operation compatibility.



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

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _O = -9V I _O = 0 to 250mA	9.50	12	15.75	V
V _{ir}	Input Ripple	V _i = 12V I _O = 250mA		45	75	mVpp
I _{ir}	Reflected Input Current	V _i = 12V I _O = 250mA		10	20	mApp
I _{en}	Enable Input Current	V _i = 9.50 to 15.75V			0.2	mA
V _O	Output Voltage	V _i = 9.50 to 15.75V I _O = 0 to 250mA	-8.55	-9.00	-9.45	V
V _{or}	Output Ripple Voltage	V _i = 12V I _O = 250mA		30	70	mVpp
V _{is}	Isolation Voltage	Input to Output	2500			Vdc
η	Efficiency	V _i = 12V I _O = 250mA	68	71		%
T _{op}	Operating Ambient Temperature Range		0		+70	°C
T _{stg}	Storage Temperature Range		-40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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