

## 2 W LAN DC-DC CONVERTER

Type	V <sub>in</sub>	V <sub>out</sub>	I <sub>out</sub>
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.

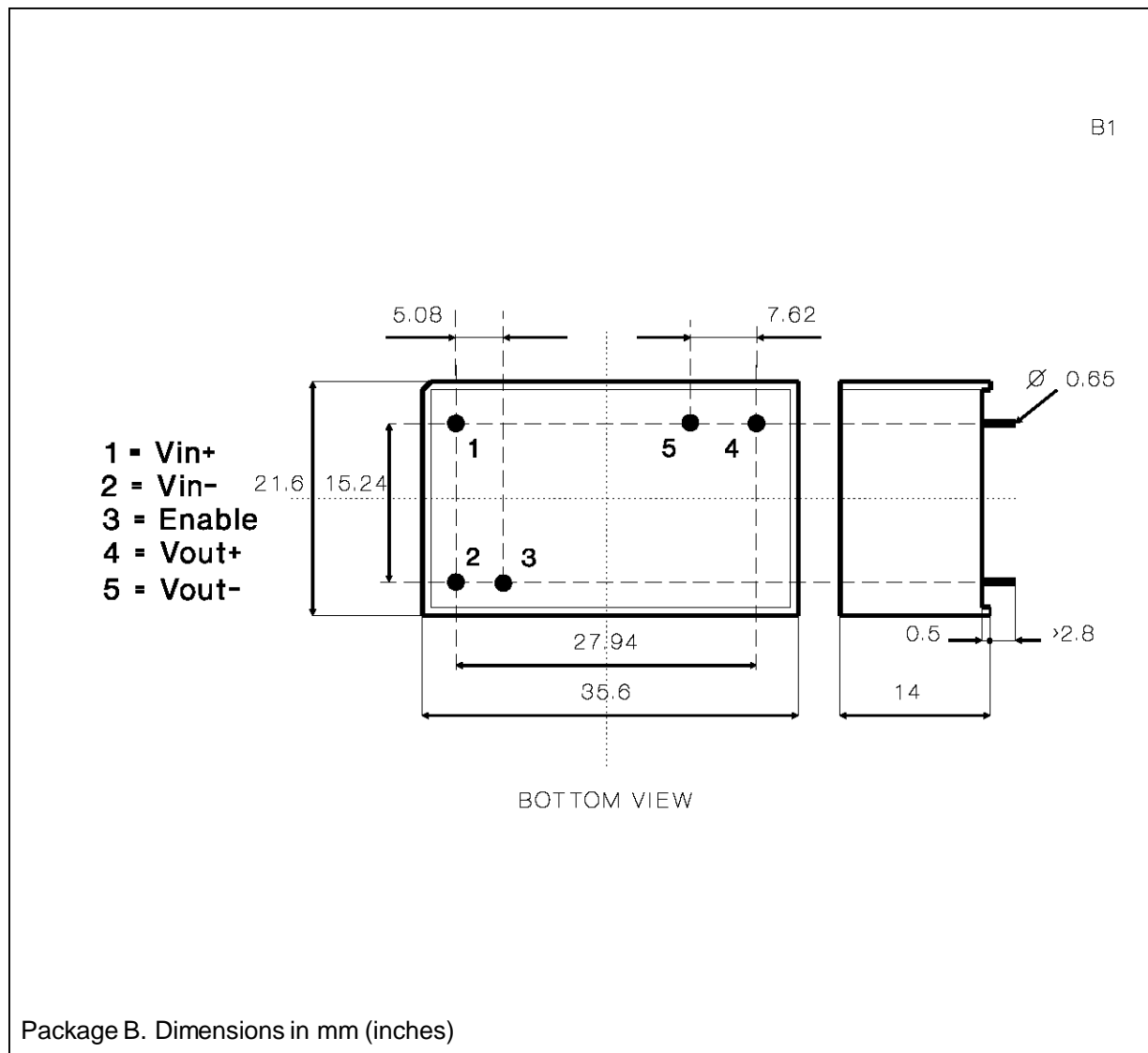
Enable function, active high, is available with CMOS/TTL logic operation compatibility.



### ELECTRICAL CHARACTERISTICS (T<sub>amb</sub> = 25° C unless otherwise specified)

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

# CONNECTION DIAGRAM AND MECHANICAL DATA



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