

2W LAN DC-DC CONVERTER

Type	V _i	V _o	I _o
GS2T12-9	12 V	- 9 V	- 250 mA

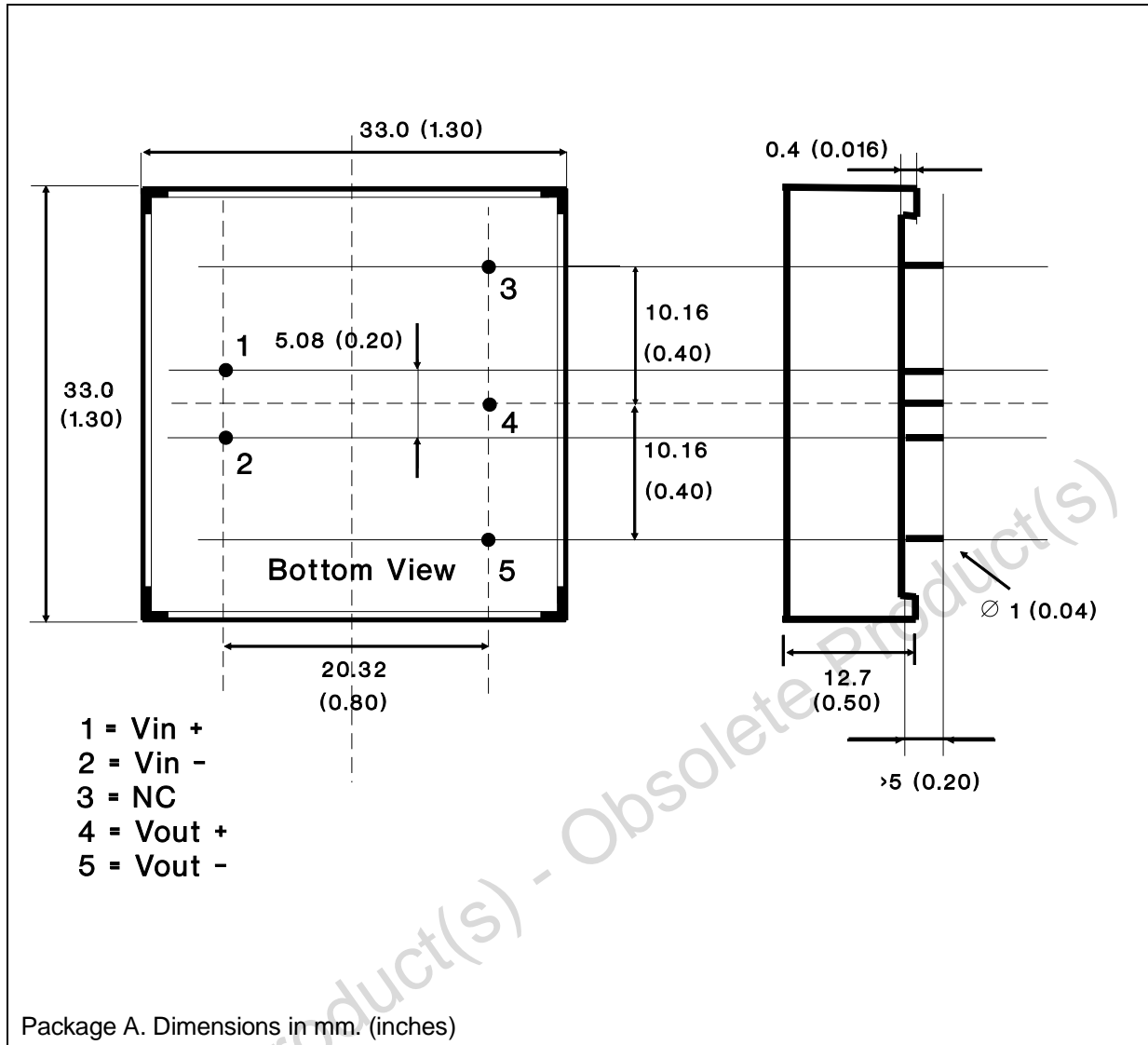
DESCRIPTION

The GS2T12-9 is a 2.25W 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 Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _o = -9V I _o = -70 to -250mA	11.28	12.00	15.75	V
I _{ir}	Reflected Input Current	V _i = 11.28 to 15.75V I _o = -250mA V _o = -9V			100	mApp
V _o	Output Voltage	V _i = 11.28 to 15.75V I _o = -70 to -250mA	- 8.55	- 9.00	- 9.45	V
V _{or}	Output Ripple Voltage	V _i = 11.28 to 15.75V I _o = -250mA			50	mVRMS
V _{on}	Output Noise Voltage	V _i = 11.28 to 15.75V I _o = -250mA			75	mVpp
δVOL	Line Regulation	V _i = 11.28 to 15.75V I _o = -250mA			5	mV
δVOO	Load Regulation	V _i = 12V I _o = -70 to -250mA			5	mV
I _o	Output Current	V _i = 11.28 to 15.75V V _o = -9V	70		250	mA
V _{is}	Isolation Voltage	Input to Output	2500			V _{DC}
η	Efficiency	V _i = 11.28 to 15.75V I _o = -250mA	70	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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