

2 W DC-DC CONVERTER

Type	V _{in}	V _{out}	I _{out}
GS2T5-12	5 V	12 V	200 mA

DESCRIPTION

The GS2T5-12 is a 2.4W DC-DC converter designed to provide an isolated 12V/200mA power source.

The module operates from a 5V input source and features continuous short-circuit protection.

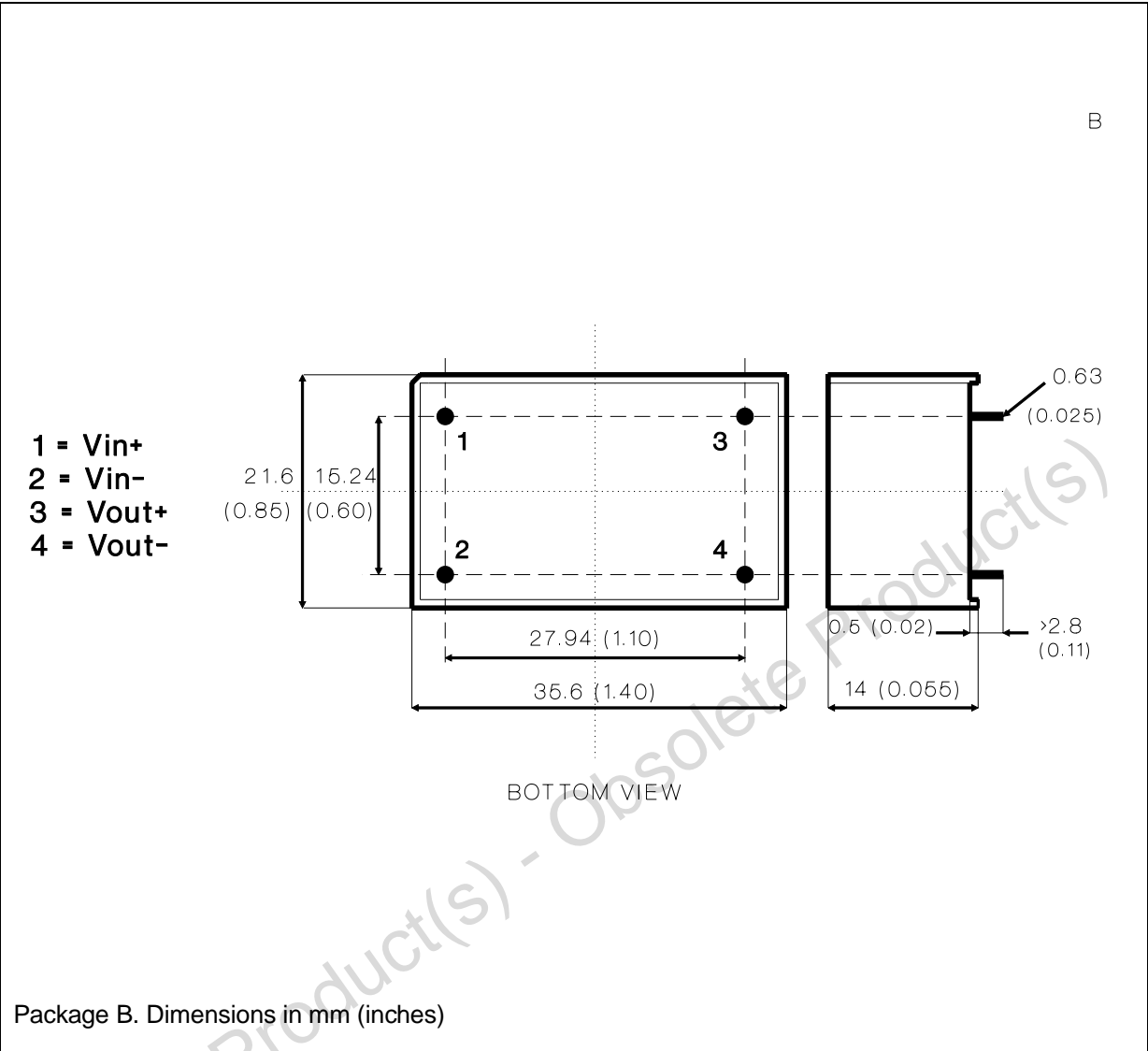
An input filter minimizes the reflected input current.



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

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _o = 12V I _c = 0 to 200mA	4.5	5	5.5	V
I _{ir}	Input Reflected Current	V _i = 5V V _o = 12V I _o = 200mA		20	30	mApp
V _o	Output Voltage	V _i = 4.5 to 5.5V I _o = 0 to 200mA	11.4	12.0	12.6	V
V _{or}	Output Ripple Voltage	V _i = 5V I _o = 200mA		5	10	mVrms
δV _o	Line Regulation	V _i = 4.5 to 5.5 I _o = 200mA			10	mV
δV _o	Load Regulation	V _i = 5V I _o = 50 to 200mA			10	mV
I _o	Output Current	V _i = 4.5 to 5.5V V _o = 12V	50		200	mA
V _{is}	Isolation Voltage		2500			Vdc
η	Efficiency	V _i = 5V I _o = 200mA	65	70		%
T _{op}	Operating Ambient Temperature Range		0		+60	°C
T _{stg}	Storage Temperature Range		-40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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