

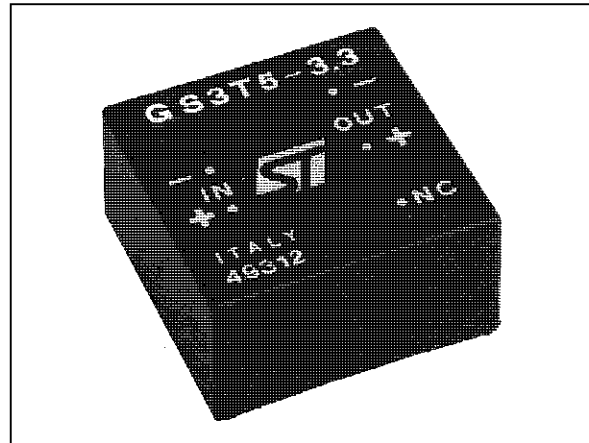
3 W DC-DC CONVERTER

Type	V _i	V _o	I _o
GS3T5-3.3	5 V	3,3 V	750 mA

DESCRIPTION

The GS3T5-3.3 is a 2.5W DC-DC converter designed to provide an isolated 3.3V/750mA power source.

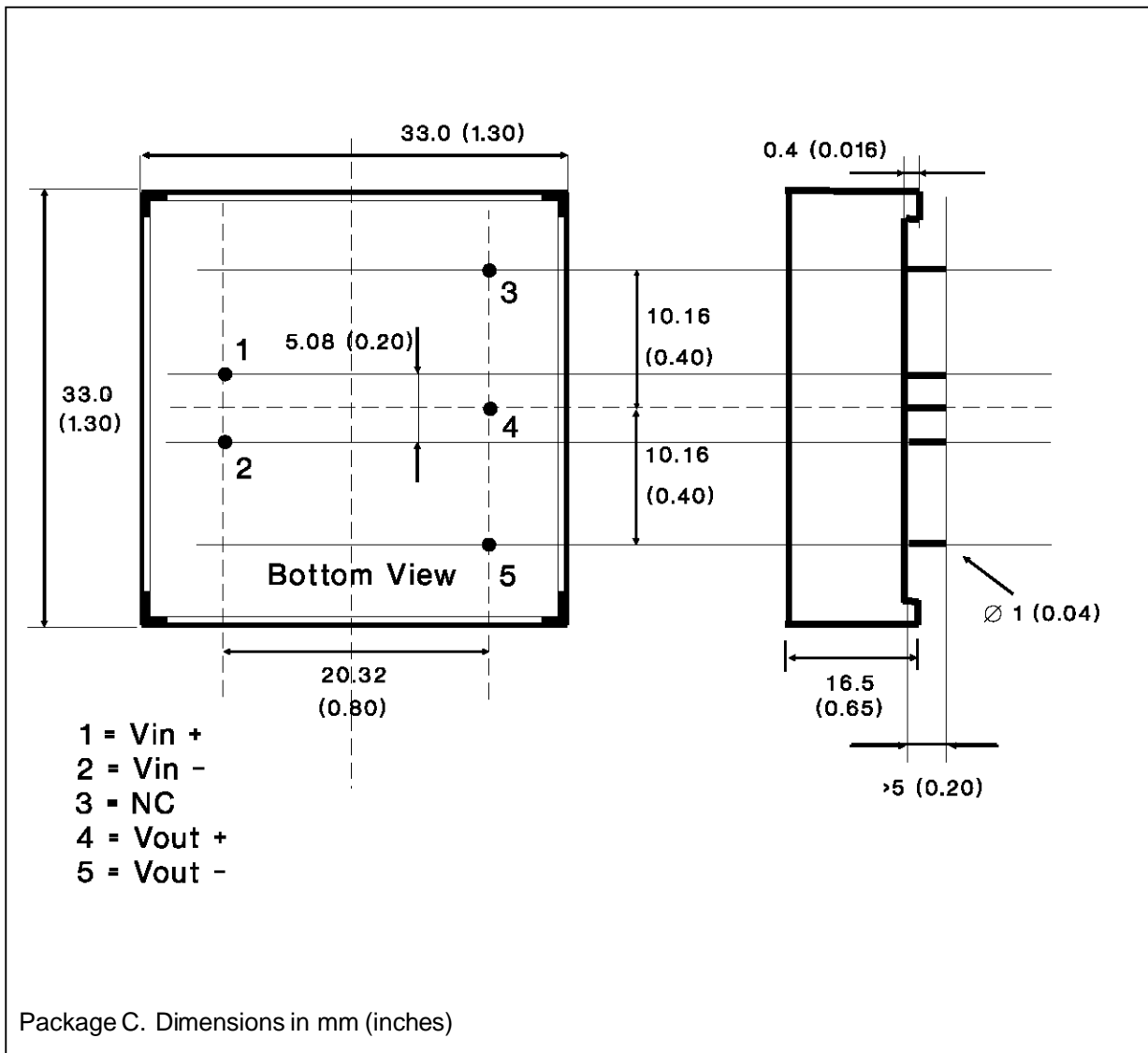
The module operates from a 5V input source and features continuous short-circuit protection.



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

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _o = 3.3V I _o = 0 to 750mA	4.75	5.00	5.25	V
I _{ir}	Reflected Input Current	V _i = 5V V _o = 3.3V I _o = 750mA		25	50	mApp
V _o	Output Voltage	V _i = 4.75 to 5.25V I _o = 0 to 750mA	3.2	3.3	3.4	V
V _{or}	Output Ripple Voltage	V _i = 5V I _o = 750mA		7	15	mVRMS
δVOL	Line Regulation	V _i = 4.75 to 5.25V I _o = 750mA		2	10	mV
δVOO	Load Regulation	V _i = 5V I _o = 50 to 750mA		20	50	mV
I _o	Output Current	V _i = 4.75 to 5.25V V _o = 3.3V	0		750	mA
I _{osc}	Output Short-circuit Current	V _i = 5V		1200	1500	mA
V _{is}	Isolation Voltage		750			VDC
f _s	Switching Frequency	V _i = 5V I _o = 750mA		70		kHz
η	Efficiency	V _i = 5V I _o = 750mA	70	75		%
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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