

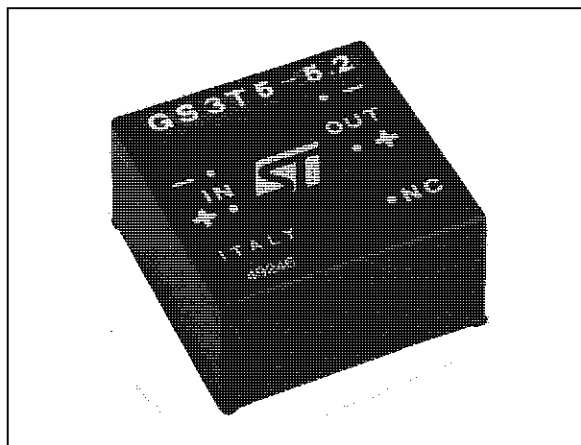
3 W DC-DC CONVERTER FOR ECL

Type	V _i	V _o	I _o
GS3T5-5.2	5 V	5.2 V	600 mA

DESCRIPTION

The GS3T5-5.2 is a 3.12W DC-DC converter designed to provide an isolated 5.2V/600mA power source.

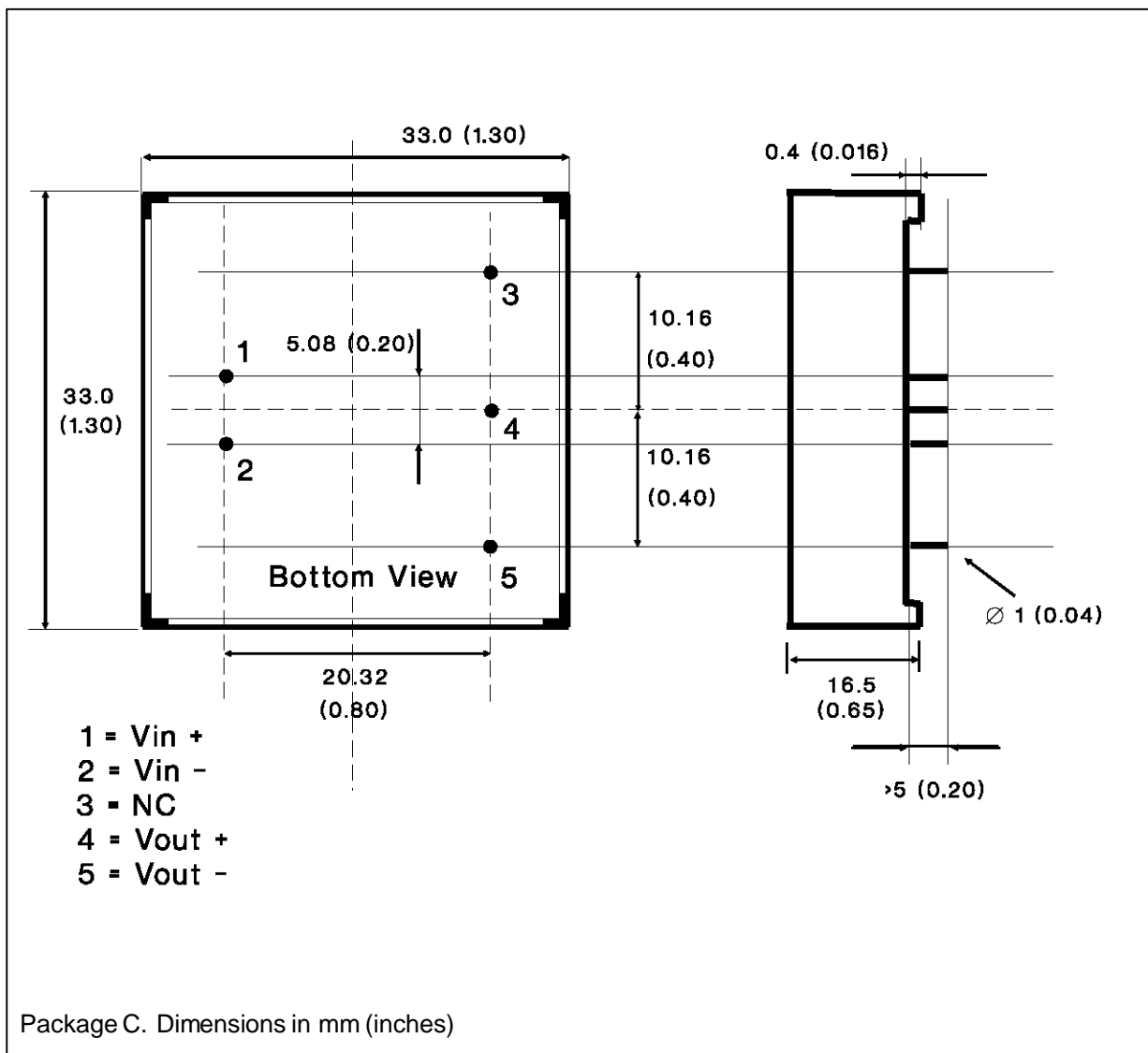
The module operates from a 5V input source and features continuous short-circuit protection.



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

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	V _o = 5.2V I _o = 0 to 600mA	4.75	5.00	5.25	V
I _{ir}	Reflected Input Current	V _i = 5V V _o = 5.2V I _o = 600mA		25	50	mApp
V _o	Output Voltage	V _i = 4.75 to 5.25V I _o = 0 to 600mA	5.04	5.20	5.36	V
V _{or}	Output Ripple Voltage	V _i = 5V I _o = 600mA		5	15	mVRMS
V _{orn}	Total Output Ripple and Noise Voltage	V _i = 5V I _o = 600mA			70	mVpp
δVOL	Line Regulation	V _i = 4.75 to 5.25V I _o = 600mA		2	10	mV
δVOO	Load Regulation	V _i = 5V I _o = 50 to 600mA		10	15	mV
I _o	Output Current	V _i = 4.75 to 5.25V V _o = 5.2V	0		600	mA
I _{osc}	Output Short-circuit Current	V _i = 5V		900	1500	mA
V _{is}	Isolation Voltage		750			V _{DC}
f _s	Switching Frequency	V _i = 5V I _o = 600mA		70		kHz
η	Efficiency	V _i = 5V I _o = 600mA	70	75		%
T _{op}	Operating Ambient Temperature Range	Still Air	0		+60	°C
T _{op}	Operating Ambient Temperature Range	Forced Ventilation, air speed = 100 LFM	0		+70	°C
T _{stg}	Storage Temperature Range		- 40		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



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