



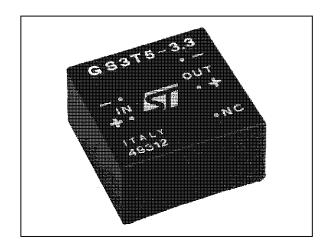
3 W DC-DC CONVERTER

Туре	V _i	Vo	l _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.

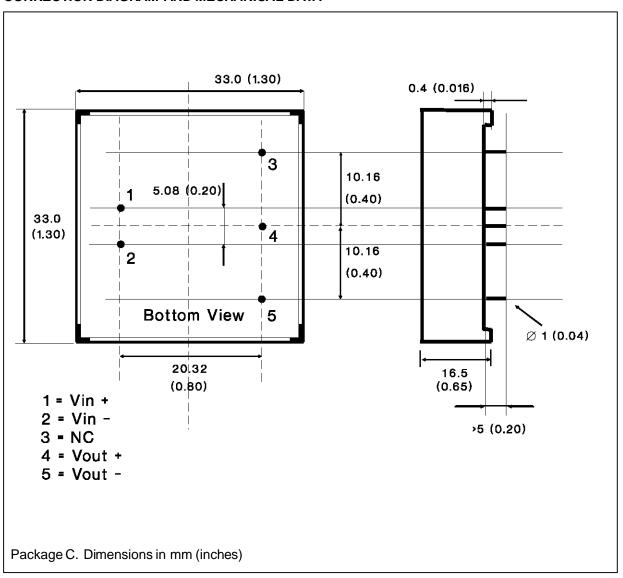


ELECTRICAL CHARACTERISTICS (T_{amb.}= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Vi	Input Voltage	V _O = 3.3V I _O = 0 to 750mA	4.75	5.00	5.25	V
lir	Reflected Input Current	$V_i = 5V$ $V_0 = 3.3V$ $I_0 = 750 \text{mA}$		25	50	mApp
Vo	Output Voltage	V _i = 4.75 to 5.25V I _o = 0 to 750mA	3.2	3.3	3.4	V
Vor	Output Ripple Voltage	$V_i = 5V$ $I_0 = 750mA$		7	15	mV _{RMS}
δVol	Line Regulation	Vi = 4.75 to 5.25V l ₀ = 750mA		2	10	mV
δVoo	Load Regulation	V _i = 5V		20	50	mV
I ₀	Output Current	$V_i = 4.75 \text{ to } 5.25 \text{V}$ $V_0 = 3.3 \text{V}$	0		750	mA
losc	Output Short-circuit Current	Vi = 5V		1200	1500	mA
Vis	Isolation Voltage		750			VDC
fs	Switching Frequency	Vi = 5V Io = 750mA		70		kHz
η	Efficiency	Vi = 5V I ₀ = 750mA	70	75		%
Тор	Operating Ambient Temperature Range		0		+70	°C
T _{stg}	Storage Temperature Range		-40		+85	°C

June 1994 1/2

CONNECTION DIAGRAM AND MECHANICAL DATA



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