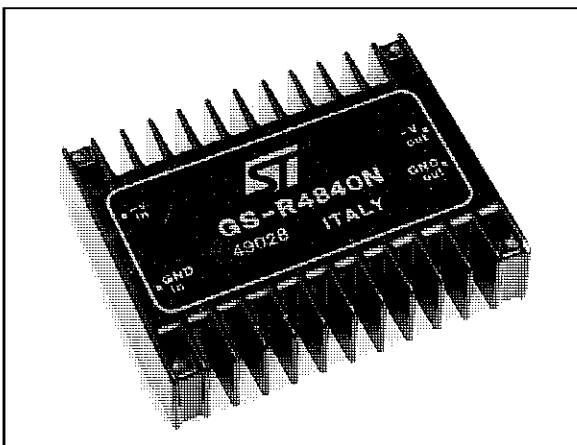


44W NEGATIVE SWITCHING REGULATOR

Type	V _{in}	V _{out}	I _{out}
GS-R4840N	-43 to -60 V	40 V	1,08 A

DESCRIPTION

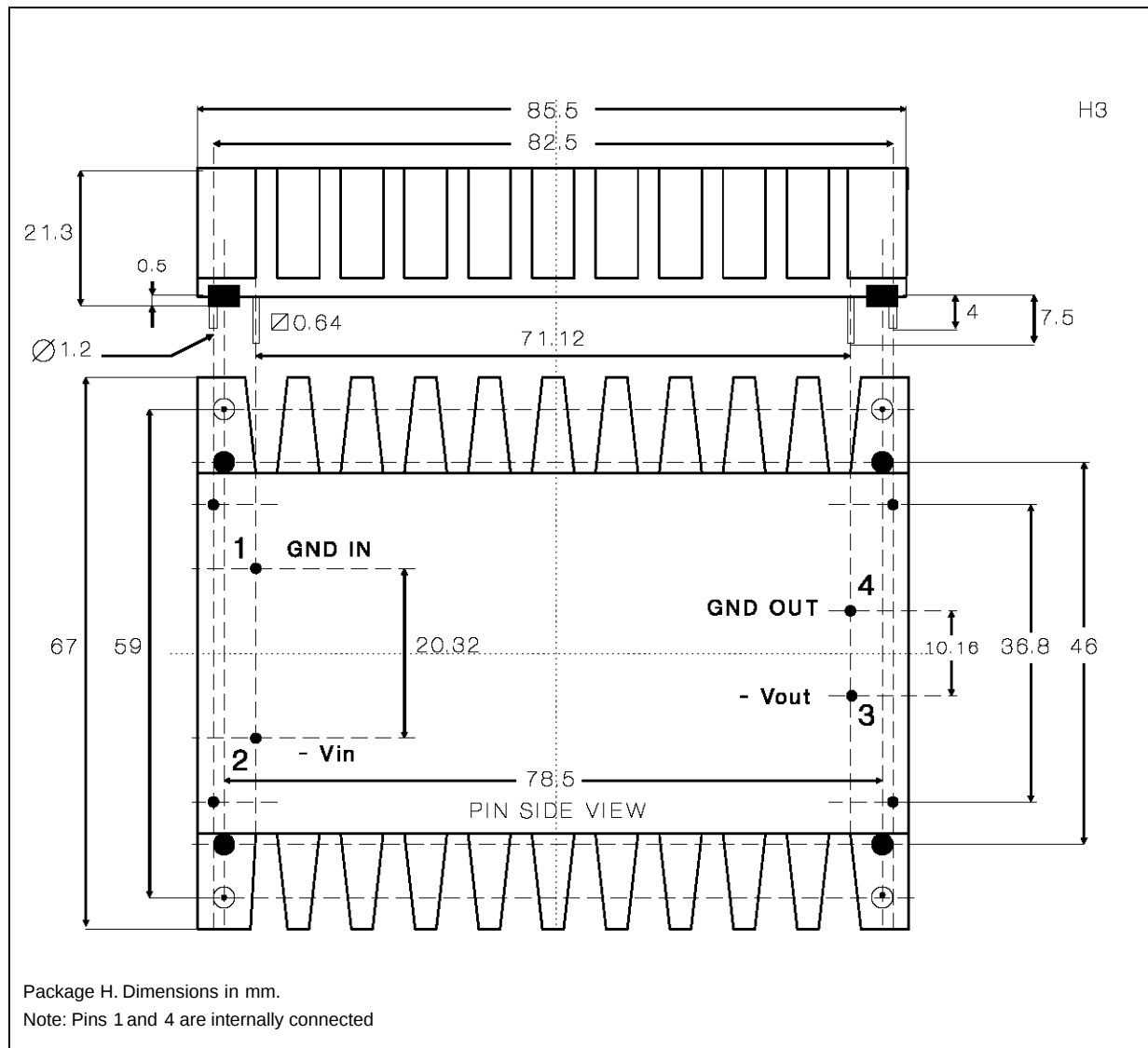
The GS-R4840N is a negative input, negative output switching voltage regulator that can provide up to 44W output power without input to output isolation.



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

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V _i	Input Voltage	I _o = 1.08A	-43	-48	-60	V
V _{ni}	Input noise (CCITTP53)	V _i = -48V I _o = 1A			1	mV
I _i	Input Current	V _i = -48V I _o = 1.08A			-1	A
V _o	Output Voltage	V _i = -43 to -60V I _o = 0 to 1.08A	-38.5	-40.5	-42.5	V
V _{or}	Output Ripple Voltage	V _i = -48V I _o = 1.08A			100	mVpp
V _{no}	Output noise (CCITTP53)	V _i = -48V I _o = 1A			1	mV
I _{osc}	Output Current Limit	V _i = -48V		-1.6		A
f _s	Switching Frequency			50		kHz
η	Efficiency	V _i = -48V I _o = 1.08A		93		%
T _{op}	Operating Temperature Range		0		+70	°C
T _{stg}	Storage Temperature Range		-20		+85	°C

CONNECTION DIAGRAM AND MECHANICAL DATA



Information furnished is believed to be accurate and reliable. However, SGS-THOMSON Microelectronics assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of SGS-THOMSON Microelectronics. Specification mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. SGS-THOMSON Microelectronics products are not authorized for use as critical components in life support devices or systems without express written approval of SGS-THOMSON Microelectronics.

© 1994 SGS-THOMSON Microelectronics – All Rights Reserved

SGS-THOMSON Microelectronics GROUP OF COMPANIES

Australia - Brazil - France - Germany - Hong Kong - Italy - Japan - Korea - Malaysia - Malta - Morocco - The Netherlands - Singapore - Spain - Sweden - Switzerland - Taiwan - Thailand - United Kingdom - U.S.A.