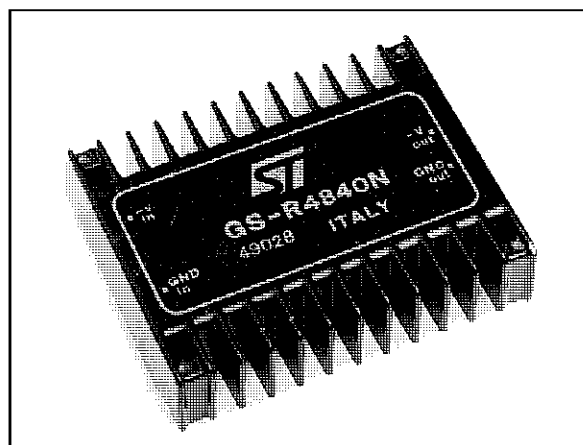


## 44W NEGATIVE SWITCHING REGULATOR

Type	V <sub>in</sub>	V <sub>out</sub>	I <sub>out</sub>
GS-R4840N	-43 to -60 V	40 V	1,08 A

### DESCRIPTION

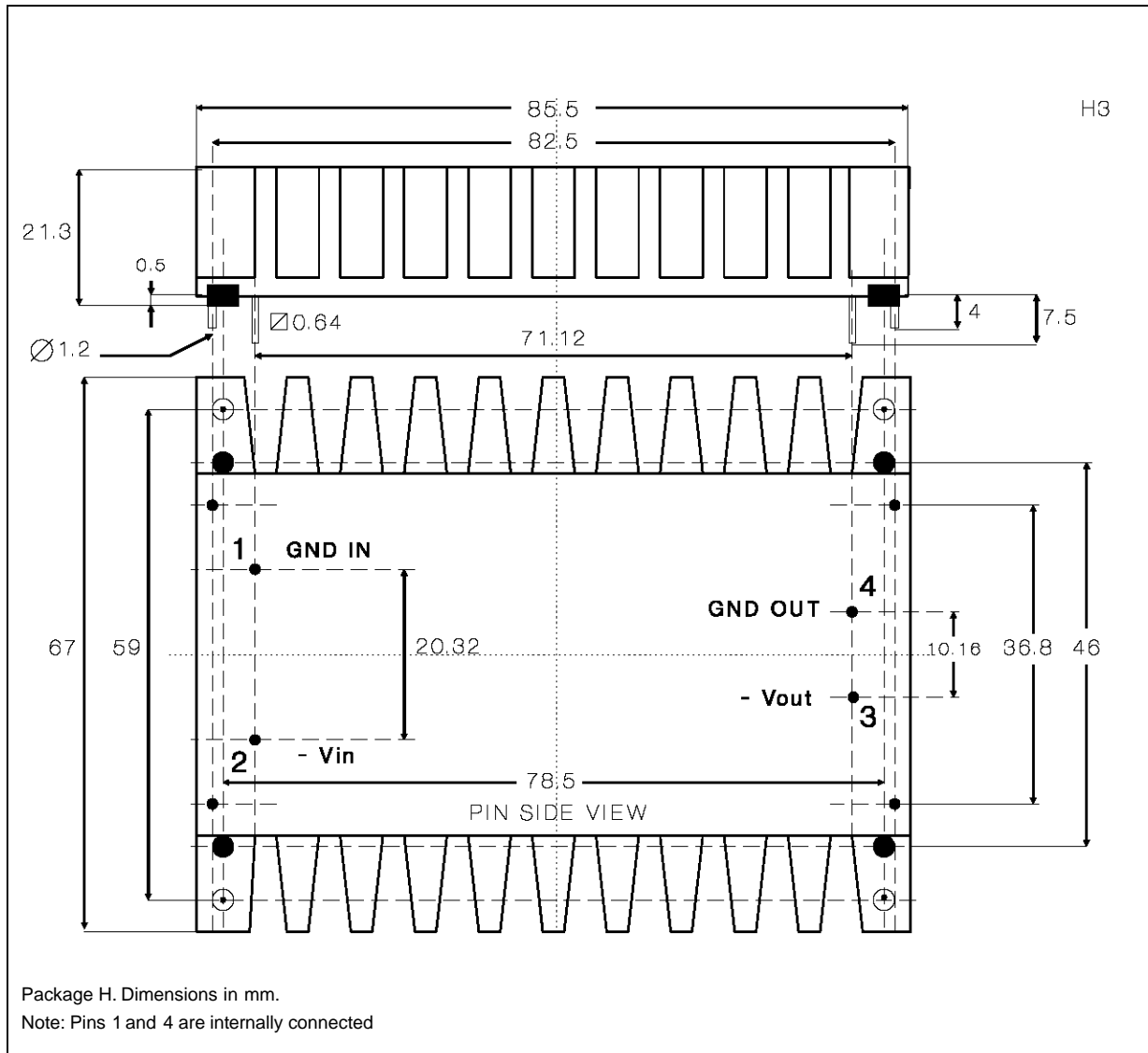
The GS-R4840N is a negative input, negative output switching voltage regulator that can provide up to 44W output power without input to output isolation.



### ELECTRICAL CHARACTERISTICS (T<sub>amb.</sub> = 25° C unless otherwise specified)

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

CONNECTION DIAGRAM AND MECHANICAL DATA



Package H. Dimensions in mm.  
 Note: Pins 1 and 4 are internally connected

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