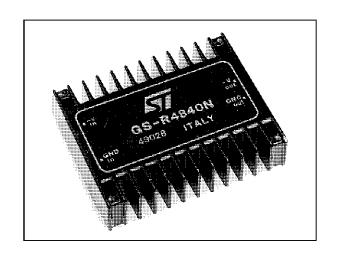


## 44W NEGATIVE SWITCHING REGULATOR

Туре	V <sub>in</sub>	V <sub>out</sub>	l <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.

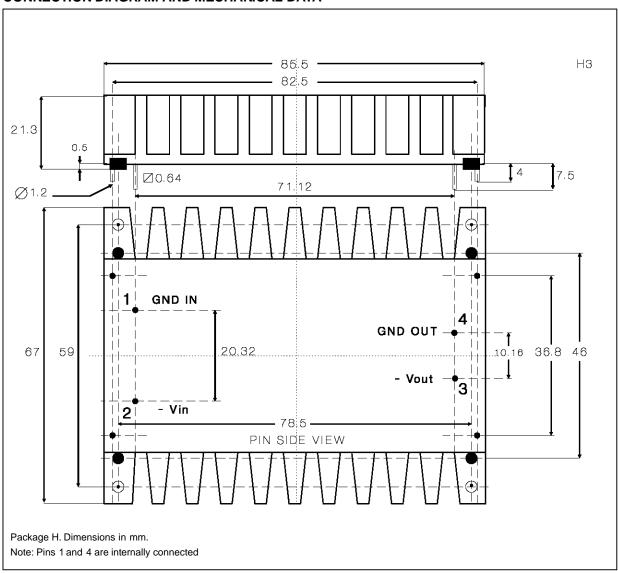


## **ELECTRICAL CHARACTERISTICS** (T<sub>amb.</sub>= 25° C unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Vi	Input Voltage	$I_0 = 1.08A$	-43	-48	-60	V
Vni	Input noise (CCITTP53)	$V_i = -48V$ $I_0 = 1A$			1	mV
li	Input Current	V <sub>i</sub> = -48V			-1	Α
Vo	Output Voltage	V <sub>i</sub> = -43 to -60V I <sub>0</sub> = 0 to 1.08A	-38.5	-40.5	-42.5	V
Vor	Output Ripple Voltage	Vi = -48V			100	mVpp
Vno	Output noise (CCITTP53)	$V_i = -48V$ $I_0 = 1A$			1	mV
losc	Output Current Limit	Vi = -48V		-1.6		Α
f <sub>S</sub>	Switching Frequency			50		kHz
η	Efficiency	Vi= -48V		93		%
Тор	Operating Temperature Range		0		+70	°C
T <sub>stg</sub>	Storage Temperature Range		-20		+85	°C

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## **CONNECTION DIAGRAM AND MECHANICAL DATA**



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