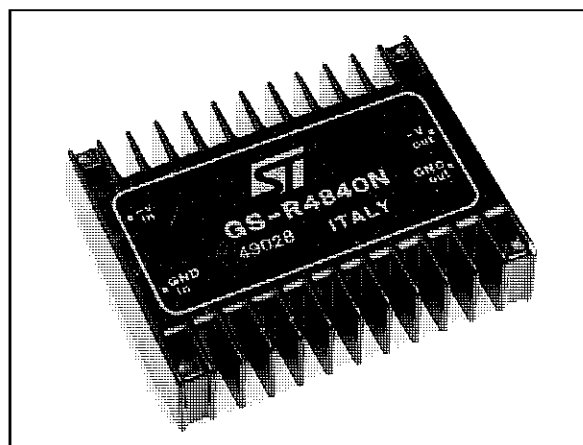


44W NEGATIVE SWITCHING REGULATOR

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

