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NX7101 (#344134)

Product Status

■ Obsolete

Overview

Resources

Diagrams

Support

The NX7101 is a 340kHz fixed frequency, current mode, PWM synchronous buck (step-down) DCDC converter, capable of driving a 2A load with high efficiency, and excellent line and load regulation. The device integrates N-channel power MOSFET switches with low on-resistance. Current mode control provides fast transient response and cycle-by-cycle current limit. The controller is equipped with output over-voltage protection which protects the IC under an open load condition. Additional safety features include under voltage lock-out (UVLO), programmable soft-start and over-temperature protection (OTP). The NX7101 is available in an 8 lead SOIC package.

Package: NULL
Carrier:

Electrical Rating	Symbol	Min	Typ	Max	Unit
Input Voltage	V_{in}	4.75		18	V_{DC}
Output Current (A)	I_{OUT}			2	A
Output Voltage (V)	V_O	0.92		14.94	V
Switching Frequency (kHz)	f_s	300	340	380	kHz

Environmental Rating	Symbol	Min	Typ	Max	Unit
Operating Temperature	T_A	-40		85	°C
Storage Temperature (°C)	T_{STG}	-65		150	°C

Undefined	Symbol	Min	Typ	Max	Unit
Regulated Outputs	Out_R			1	Select

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- Power Management ▶ Switching Regulators ▶ Step-Down Buck Regulators

POWER MANAGEMENT

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