

## NCP1271

# PWM Controller, Soft-Skip<sup>®</sup>; Standby, with Adjustable Skip Level and External Latch

## Product Overview

For complete documentation, see the data sheet.

The NCP1271 represents a new, pin to pin compatible, generation of the successful 7 pin current mode NCP12XX product series. The controller allows for excellent stand by power consumption by use of its adjustable Soft Skip mode and integrated high voltage startup FET. This proprietary Soft Skip also dramatically reduces the risk of acoustic noise. This allows the use of inexpensive transformers and capacitors in the clamping network. Internal frequency jittering, ramp compensation, timer based fault detection and a latch input make this controller an excellent candidate for converters where ruggedness and component cost are the key constraints.

## Features

- Short Circuit Protection Independent of the Auxiliary Winding
- Adjustable Soft Skip Mode
- Internal High-Voltage Start-up
- 5% Current Limit Accuracy over the Full Temperature Range
- Internal Latch for Easy Implementation of Overvoltage and Overtemperature Protection
- Frequency Jittering for Softened EMI Signature
- +500 mA/800 mA Peak Current Drive Capability





## Applications

- ACDC Adapters
- Consumer Electronic Power Supplies

## End Products

- Offline Battery Chargers
- STB, DVD, DVDR
- Notebooks
- LCD Monitors
- Printers

## Part Electrical Specifications

Product	Status	Compliance	Topology	Control Mode	$f_{sw}$ Typ (kHz)	Stand-by Mode	UV LO (V)	Short Circuit Protection	Latch	Soft Start	$V_{CC}$ Max (V)	Drive Capac. (mA)	Package Type	CASE Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
NCP1271D100R2G	Active, Not Rec		Flyback	Current Mode	100	Yes	Yes	Yes	Yes	Yes	20	500 / 800	SOIC-7	751 U.P.DF	1	260	REEL	2500
NCP1271D65R2G	Active, Not Rec		Flyback	Current Mode	65	Yes	Yes	Yes	Yes	Yes	20	500 / 800	SOIC-7	751 U.P.DF	1	260	REEL	2500
NCP1271P100G	Obsolete		Flyback	Current Mode	100	Yes	Yes	Yes	Yes	Yes	20	500 / 800	PDP-8	626 B.P.DF	NA	0	TUBE	50
NCP1271P65G	Obsolete		Flyback	Current Mode	65	Yes	Yes	Yes	Yes	Yes	20	500 / 800	PDP-8	626 B.P.DF	NA	0	TUBE	50