

NCP1076DIPGEVB: 20W High Voltage Switching Regulator for Offline SMPS Evaluation Board

The NCP1076DIPGEVB is designed to quickly evaluate the NCP1076.

The NCP1076 / NCP1077 products integrate a fixed frequency current mode controller with a 700 V MOSFET. Available in a PDIP-7 or SOT-223 package, the NCP1076/7 offer a high level of integration, including soft-start, frequency-jittering, short-circuit protection, skip-cycle, a maximum peak current set point, ramp compensation, and a Dynamic Self-Supply (eliminating the need for an auxiliary winding).

Unlike other monolithic solutions, the NCP1076/7 is quiet by nature: during nominal load operation, the part switches at one of the available frequencies (65, 100 or 130 kHz). When the output power demand diminishes, the IC automatically enters frequency foldback mode and provides excellent efficiency at light loads. When the power demand reduces further, it enters into a skip mode to reduce the standby consumption down to a no load condition.

Protection features include: a timer to detect an overload or a short-circuit event, Overvoltage Protection with auto-recovery and AC input line voltage detection.

For improved standby performance, the connection of an auxiliary winding stops the DSS operation and helps to reduce input power consumption below 50 mW at high line.

For more information please see the datasheet.



Evaluation/Development Tool Information					
Product	Status	Compliance	Short Description	Parts Used	Action
NCP1076DIPGEVB	Active	Pb-free	20W High Voltage Switching Regulator for Offline SMPS Evaluation Board	NCP1076P100G	» Contact » Local Sales Office » Inventory

Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1076DIPGEVB Bill of Materials ROHS Compliant	NCP1076DIPGEVB_BOM_ROHS - 86 KB	0
Eval Board: Gerber	NCP1076DIPGEVB Gerber Layout Files (Zip Format)	NCP1076DIPGEVB_GERBER - 88 KB	0
Eval Board: Schematic	NCP1076DIPGEVB Schematic	NCP1076DIPGEVB_SCHEMATIC - 204 KB	0
Eval Board: Test Procedure	NCP1076DIPGEVB Test Procedure	NCP1076DIPGEVB_TEST_PROCEDURE - 90 KB	0
Video	20W High Voltage Switching Regulator for Offline SMPS Evaluation Board - NCP1076DIPGEVB	WVD17599/D	

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