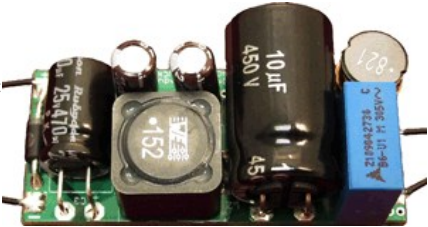




Energy Efficient Innovations

NCP1071SOTGEVB: 6 W / 12 V NON-ISOLATED POWER SUPPLY

Evaluation board for the NCP1071. Available in a PDIP-7 or SOT-223 package, the NCP1071 offers 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 NCP1071 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.



Evaluation/Development Tool Information					
Product	Status	Compliance	Short Description	Parts Used	Action
NCP1071SOTGEVB	Active	Pb-free	6 W / 12 V NON-ISOLATED POWER SUPPLY	NCP1071STBT3G	Contact Local Sales Office Inventory

Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1071SOTGEVB Bill of Materials ROHS Compliant	NCP1071SOTGEVB_BOM_ROHS.PDF - 27 KB	0
Eval Board: Gerber	NCP1071SOTGEVB Gerber Layout Files (Zip Format)	NCP1071SOTGEVB_GERBER.ZIP - 47 KB	0
Eval Board: Schematic	NCP1071SOTGEVB Schematic	NCP1071SOTGEVB_SCHEMATIC.PDF - 29 KB	0
Eval Board: Test Procedure	NCP1071SOTGEVB Test Procedure	NCP1071SOTGEVB_TEST_PROCEDURE.PDF - 84 KB	0
Video	6W / 12V Non-Isolated Power Supply Evaluation Board - NCP1071SOTGEVB Test Procedure	WVD17500/D	

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6W / 12V Non-Isolated Power Supply Evaluation Board - NCP1071SOTGEVB Test Procedure

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