NCP1013ADAPGEVB: 6 Watt, 12 Volt Adapter Evaluation Board

The NCP101X series integrates a fixed frequency current mode controller and a 700 V MOSFET. Housed in a PDIP 7, PDIP 7 Gull Wing, or SOT 223 package, the NCP101X offers everything needed to build a rugged and low cost power supply, including soft start, frequency jittering, short circuit protection, skip cycle, a maximum peak current setpoint and a Dynamic Self Supply (no need for an auxiliary winding).

Features and Applications

Features

- Large Creepage Distance Between High-Voltage Pins
- Below 100 mW Standby Power if Auxiliary Winding is Used
- Internal Temperature Shutdown
- Direct Optocoupler Connection
- SPICE Models Available for TRANsient Analysis
- Current-Mode Fixed Frequency Operation: 65 kHz - 100 kHz - 130 kHz

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1013ADAPGEVB	Active	Pb-free	6 Watt, 12 Volt Adapter Evaluation Board	NCP1013AP065G	Contact Local Sales Office Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1013ADAPGEVB Bill of Materials ROHS Compliant	NCP1013ADAPGEVB_BOM_ROHS.PDF - 76.0 KB	0
Eval Board: Gerber	NCP1013ADAPGEVB Gerber Layout Files (Zip Format)	NCP1013ADAPGEVB_GERBER.ZIP - 31.0 KB	0
Eval Board: Schematic	NCP1013ADAPGEVB Schematic	NCP1013ADAPGEVB_SCHEMATIC.PDF - 90.0 KB	0
Eval Board: Test Procedure	NCP1013ADAPGEVB Test Procedure	NCP1013ADAPGEVB_TEST_PROCEDURE.PDF - 36 KB	1
Video	6W 12V Adapter Evaluation Board - NCP1013ADAPGEVB	TND6155/D	