



NCP1013LEDGEVB: 5 W Universal LED Driver Evaluation Board

The controller used in this application is a low cost monolithic design, the NCP1013. This, and the other members of the family, from the NCP1010 to the NCP1014, allow for the design of low cost, yet fully featured, switched mode power supplies. The design comprises an input filter, bridge rectifier, bulk capacitors and a line inductor, the power stage, rectifier diode and smoothing capacitors. Feedback is CVCC, constant current drive for the LED's with a constant voltage in the event of an open circuit output.



Features and Applications

Features

- Wide input voltage range 85 Vac to 265 Vac
- Small size, and low cost
- Good line regulation
- High efficiency
- Overload and short circuit protection

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1013LEDGEVB	Active	Pb-free	5 W Universal LED Driver Evaluation Board	NCP1013ST100T3G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1013LEDGEVB Bill of Materials ROHS Compliant	NCP1013LEDEVB_BOM_ROHS.PDF - 60.0 KB	0
Eval Board: Gerber	NCP1013LEDGEVB Gerber Layout Files (Zip Format)	NCP1013LEDEVB_GERBER.ZIP - 38.0 KB	0
Eval Board: Schematic	NCP1013LEDGEVB Schematic	NCP1013LEDEVB_SCHEMATIC.PDF - 127.0 KB	0
Eval Board: Test Procedure	NCP1013LEDGEVB Test Procedure	NCP1013LEDEVB_TEST_PROCEDURE.PDF - 192.0 KB	0