

General Description

IN1M101 provides a precise comparator to detect the rectified AC voltage, which could protect the SPS when AC voltage is low.

At the same time, IN1M101 also provides the delay time to noise immunity.

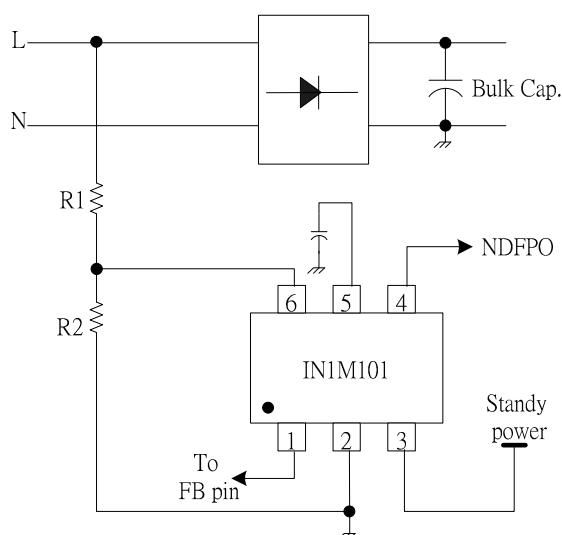
Application

- ◆ TV open frame SMPS
- ◆ Adapter DVD and CD(R)

Feature

- ◆ The Brown-out protection (BOP) setting by two resistor and auto restart.
- ◆ Wide operation voltage range.
- ◆ Two faults output
- ◆ Low standby current consumption
- ◆ High noise immunity
- ◆ RoHS compliant and Halogen free

Application Circuit



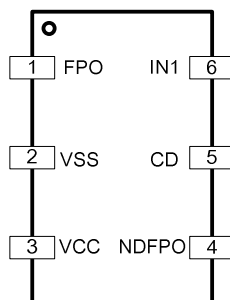
$$V_{Brown-out} = \frac{R1 + R2}{R2} * 1.18$$

Ordering Information

Part Number	Package	Packaging	Note
IN1M101-T6G	SOT-26	Tube/Carton	Green -30~85C

Note: Infino lead-free products contain molding compounds/die attach materials and 100% matte tin plate termination finish; which are fully compliant with RoHS. Infino lead-free products meet or exceed the lead-free requirements of IPC/JEDEC J-STD-020C for MSL classification at lead-free peak reflow temperature. Infino defines "Green" to mean lead-free (RoHS compliant) and halogen free (Br or Cl does not exceed 900ppm by weight in homogeneous material and total of Br and Cl does not exceed 1500ppm by weight).

Pin connection (Top View)



Pin Assignments and Package Type

Designation	I/O	Description
FPO	O	Fault protect pin
VSS	I	Ground
VCC	I	Power supply
NDFPO	O	Non-Delay Fault protect pin
CD	I	Delay time setting capacitor
IN1	I	Comparator passive terminal input1