

Realizing the simplification of power Supply and downsizing

IPD for switching power supply (MIP531)

Overview

MIP531 supporting W/W input voltage is a suitable device for white goods(3 to 6W) such as Air conditioner [outdoor equipment] and refrigerator, etc.

This device enables operation without a bias winding, which leads to a simple and reasonable power supply, and features noise reduction and various protection functions.

■ Features

- Frequency jitter function
- ⇒Average level of conduction noise is reduced
- Protection functions

Over load protection

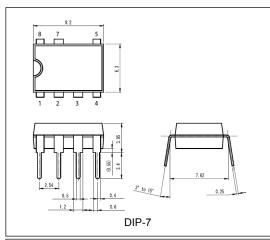
⇒Auto restart (Timer intermittent operation)

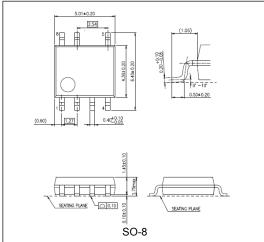
Over voltage protection

⇒Latch mode stop

Over temperature protection

- ⇒Auto restart (Shutdown at 140°C, hysteresis at 70°C)
- Package lineup DIP-7, SO-8





Pin	pin name			
1	VIN			
2	NC(Non connected)			
3	FB			
4	VDD			
5	DRAIN			
6	-			
7	SOURCE			
8	SOURCE			

Applications

White goods, etc.

Specifications

Product Name	Characteristics				
	VDSS	ILIMIT	Fosc (typ.)	Release Schedule	
MIP531	700V	0.35A	125kHz	DIP-7	10/M ES available
				SO-8	11/T ES available

Products and specifications are subject to change without notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

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■ Example of application circuit

