

General Description:

The uP7218DM-45 is a fast turn-off, intelligent rectifier

for flyback converters with built-in 45V MOSFET.

It can replace a diode rectifier for higher conversion efficiency and power density.

The uP7218DM-45 is optimized for low side rectification.

The uP7218DM-45 is available in SOIC-8 package.

Features:

- Built-in 7mΩ on-resistance and 45V breakdown voltage MOSFET
- Support DCM and QR Mode
- Output power can be up to 15W.

Applications:

- Adapters with output voltage 5V.
- Switching Power Supply

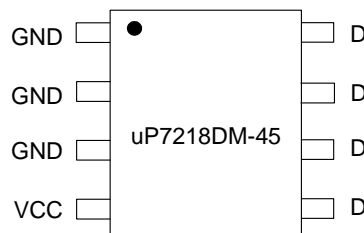


Figure 1. Package types of uP7218DM-45

Ordering information:

Part number	Mark ID	Package	Packing	Output power
uP7218DM-45	7218DM-45	SOIC-8	4,000 /Reel	15W

Typical Applications (5V/3A adapter):

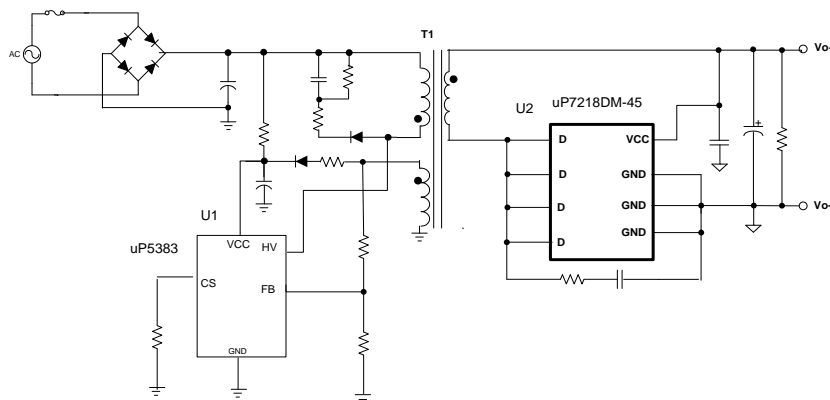


Fig.1 Typical applications

Pin definitions

Pin Name	Pin Type	Pinout	Pin Functions
VCC	Power supply	4	Power supply of the rectifier
GND	Ground	1~3	Source of the SR MOSFET and the power ground.
D	Drain	5~8	Drain of the SR MOSFET