

General Description:

The uP7218M-40 is a fast turn-off, intelligent rectifier for flyback converters with built-in 40V MOSFET.

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

The uP7218M-40 is optimized for low side rectification.

The uP7218M-40 is available in SOIC-8 package.

Features:

- Built-in 18mΩ on-resistance and 40V
- Support CCM, DCM and QR Mode
- Output power can be up to 10W.

Applications:

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

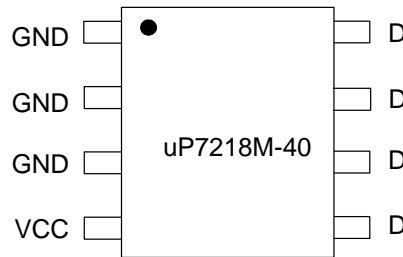


Figure 1. Package types of uP7218M-40

Ordering information:

Part number	Mark ID	Package	Packing	Output power
uP7218M-40	7218M-40	SOIC-8	4,000 /Reel	10W

Typical Applications (5V/2A adapter):

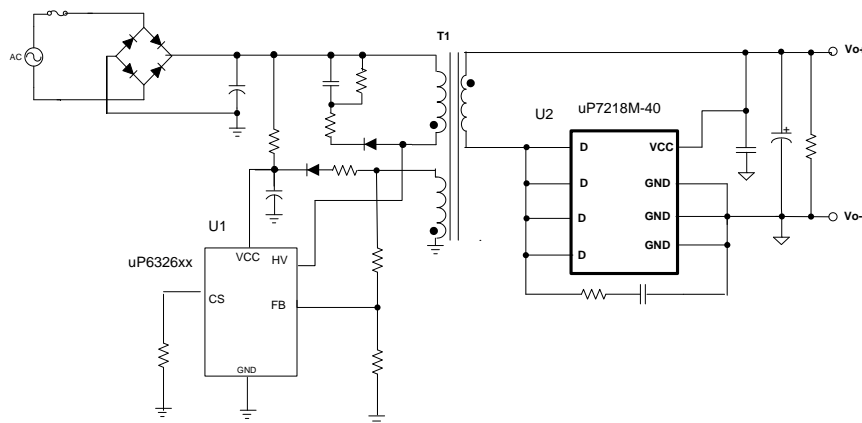


Fig.1 Typical applications

Pin definitions

in 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