

FR9889 23V, 3A, 340KHz Synchronous Step-Down DC/DC Converter

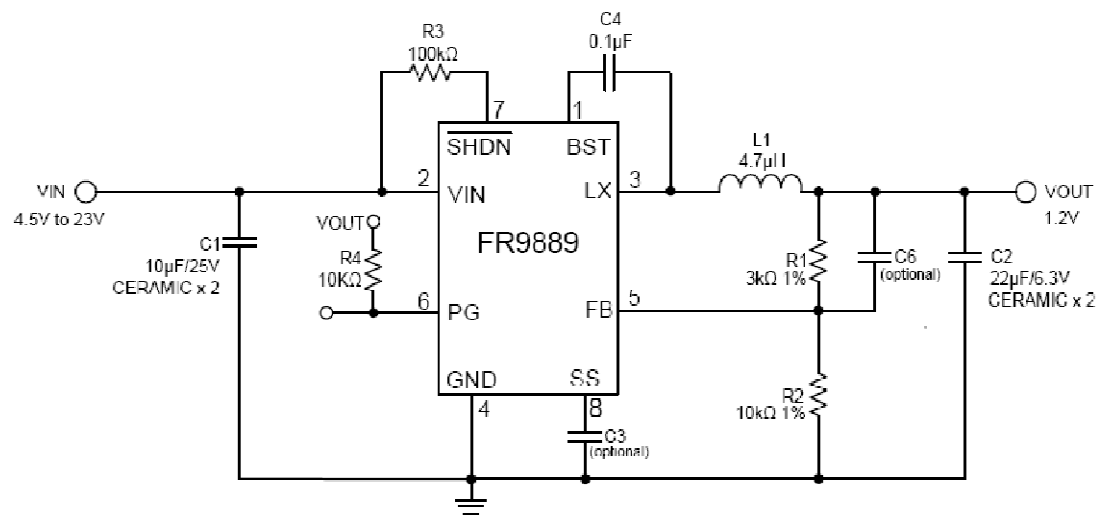
FEATURES

- High Efficiency up to 95%
- Low $R_{ds(on)}$ Integrated Power MOSFET
- Internal Compensation Function
- Internal Power Good Function
- Wide Input Voltage Range: 4.5V to 23V
- Adjustable Output Voltage Down to 0.925V
- 3A Output Current
- Fixed 340KHz Switching Frequency
- External Programmable Soft-Start or Internal 600 μ s Soft-Start
- PSM (High Efficiency at Light Load)
- Hiccup Short Circuit Protect

PIN DESCRIPTION

NAME	SOP8	DESCRIPTION
BST	1	High Side Gate Drive Boost
VIN	2	Power Supply Input Pin
LX	3	Power Switching Output
GND	4,9	Ground
FB	5	Voltage Feedback Input
PG	6	Power Good Output
SHDN	7	Enable Input
SS	8	Soft-Start

TYPICAL APPLICATION CIRCUIT



TYPICAL APPLICATION

STB (Set-Top-Box)

LCD Displays, TV

Distributed Power System

Networking, XDSL Modem

PACKAGE

SOP-8 (EP)

