

FR9899 Dual 16V, 2A, 340KHz Synchronous Step-Down DC/DC Converter

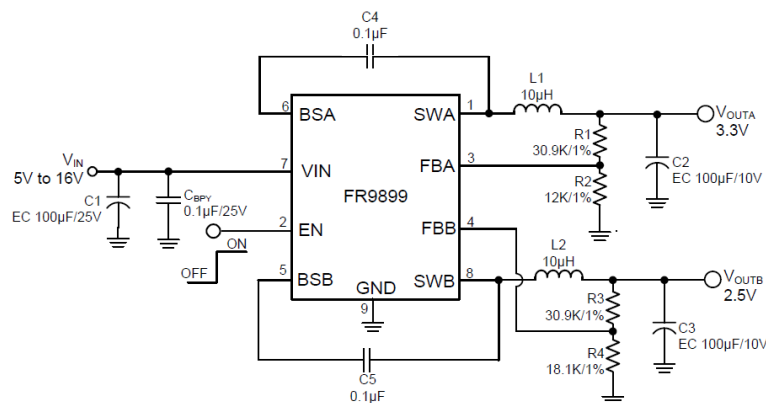
FEATURES

- Dual Output Synchronous Buck Converter
- Wide Input Voltage from 4.5V to 16V
- 2A Output Current for Each Output
- Adjustable Output Voltage from 0.925V to 10V for Each Channel
- Low RDS(ON) Integrated Power MOSFET (130mΩ/110mΩ)
- Fixed 340KHz Switching Frequency
- Both Channels with 180 Degrees Phase Shift
- Current Mode Operation
- Internal Compensation and Soft-Start
- Cycle-by-Cycle Current Limit
- Input Under Voltage Lockout
- Over-Temperature Protection
- 1μA Shutdown Current Typically
- SOP-8 (Exposed Pad) Package

PIN DESCRIPTION

NAME	SOP-8	DESCRIPTION
SWA	1	Power Switching Node for Channel A
EN	2	Enable Input Pin
FBA	3	Voltage Feedback Input Pin
FBB	4	Voltage Feedback Input Pin
BSB	5	High Side Gate Drive Boost Input
BSA	6	High Side Gate Drive Boost Input
VIN	7	Power Supply Input Pin
SWB	8	Power Switching Node for Channel B
GND	9	Ground

TYPICAL APPLICATION CIRCUIT



TYPICAL APPLICATION

STB (Set-Top-Box)
I/O and Core Supplies
Distributed Power System
Networking, XDSL Modem

PACKAGE

SOP-8

