

FP6128 300mA, High PSRR, Dual Output Low-Dropout Regulator with Fast Output Discharge Function

FEATURES

Low Dropout Voltage: 300mV at IO_{UT}=200mA
Guaranteed 300mA Output Current Per Channel
Very Low Quiescent Current: 25μA
High Power Supply Rejection Ratio: 70dB at 10kHz
Highly Accurate: 2%
Needs Only 1μF Ceramic Capacitor for Stability
Thermal Shutdown and Current Limiting Protection
Output Discharge Function
Tiny SOT-23-6 and TDFN-6 Packages
V_{out 1} = 1.8V V_{out 2} = 2.8V

PIN DESCRIPTION

NAME	SOT-23-6	TDFN-6	DESCRIPTION
EN2	3	1	Logic input control VOUT2 active or shut off
VIN	2	2	Power in
EN1	1	3	Logic input control VOUT1 active or shut off
GND	5	4	Common ground
VOUT1	6	5	The output supplies power to load
VOUT2	4	6	The output supplies power to load

TYPICAL APPLICATION

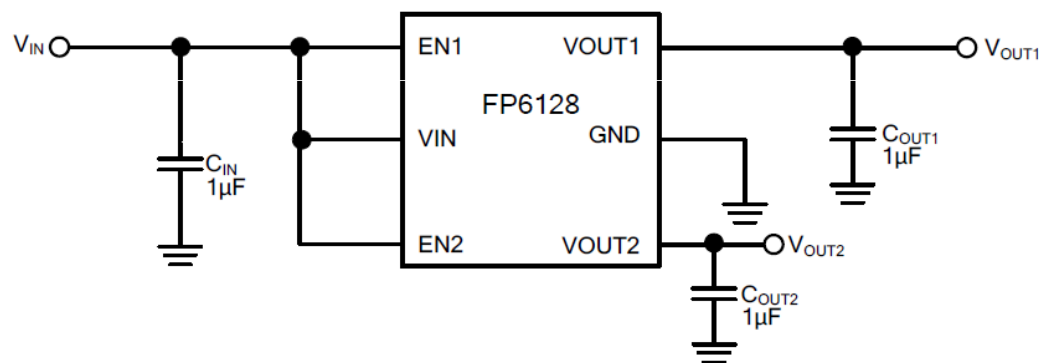
Mobile Phone

Portable or Wireless Instrument

Camera

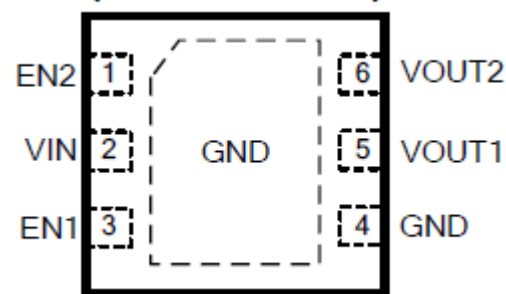
PDA and Notebook Computer

TYPICAL APPLICATION CIRCUIT



PACKAGE

WD Package (TDFN-6)
(1.6mm×1.6mm)



S6 Package (SOT-23-6)

