

## Features

- Power-Switch with enable
- Power good detector
- Low quiescent
- Low resistance
- Soft start
- Output pull-down option (in *power down mode*)

## General Description

*SGC21913\_01\_GF\_22FDSOI* is a low quiescent power switch solution for integration on *SoC*. Offering soft start, output pull-down option (in *power down mode*) and power good visibility, it is specified from  $T_J = -40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ , being designed to achieve 4% overall accuracy (over Load / Line / Temp).

## Applications

- SoC
- IoT
- Wearables

## Quick Reference

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNIT
$V_{IN}$	Input Sup.	0.70	—	0.90	V
$V_{DVDD}$	Digital Sup.	0.50	—	1.20	V
$R_{SW}$	SW Resistance	50	—	200	m $\Omega$
$V_O$	Out Voltage	0.70	—	0.90	V
$I_O$	Out Current	0	—	75	mA

## Applications Diagram