SIVI-LDO1806C



TSMC 180nm-G (1P5M)

MAIN FEATURES

- Designed on TSMC 180nm Generic **Process**
- Supply a load current up to 6mA
- Input voltage range from 3.6V to 2V
- Output Voltage is 1.2V
- Low Quiescent current
- Operation Temperature -4oCo to 125 Co

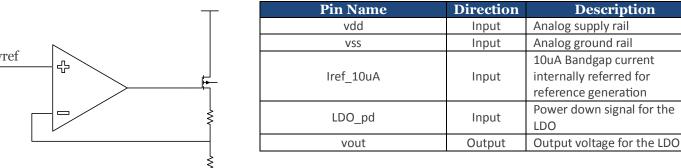
IP DESCRIPTION

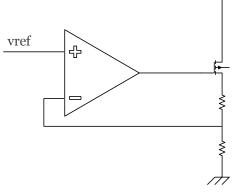
SiVi-LDO1806C is a voltage regulator with low quiescent current while supplying a load current up to 80mA. The regulator needs an external capacitor of 100nA but the design is independent on the ESR for stability. High supply rejection ratio is provided

ELECTRICAL SPECIFICATIONS

Spec / Result		Min	Тур	Max	Unit
Supply Voltage		2	3.3	3.6	V
Temperature Range		-40	27	125	°C
Output Voltage			1.8		V
Output Voltage Accuracy		-3		3	%
Load Current				6	mA
PSRR	@1kHz		-35		dB
	@1MHz		-15		
Quiescent Current			50		uA
External Cap		0.1			uF

PIN DESCRIPTION





SiVi-LDO1806C Block Diagram