SIVI-POR13001



TSMC 130nm-G (1P5M)

MAIN FEATURES

- Designed on TSMC130nm GenericProcess
- Ability to work from a 2.6V supply to 3.6V
- Long and stable Reset
 Pulse
- Ultra-low steady state current
- Optional Brown out detection feature

IP DESCRIPTION

SiVi-POR13001 is a Power on Reset IP with an optional Brown out detection. The POR can operate from supply voltage ranges from 2.6V up to 3.6V. The threshold is adjusted to mid supply. Long and stable active low reset pulse is provided. SiVi-POR13001 is silicon proven on TSMC 130nm.

ELECTRICAL SPECIFICATIONS

Spec / Result	Min	Тур	Max	Unit
Supply Voltage	2.6	3.3	3.6	V
Temperature Range	-40	27	125	°C
Supply ramp	0.001		100	ms
Trigger Voltage		Vdd/2		V
Steady State Current		30		рА
Reset Duration	0.5			ms

PIN DESCRIPTION

Pin Name	Direction	Description	
vdd	Input	Analog supply rail	
VSS	Input	Analog ground rail	
ResetN	Output	Active low reset pulse	
BO_en	loout	Enable pin for an optional	
	Input	Brown out detection feature	
vref	loout	Reference voltage to set the	
	Input	brown out trigger voltage	



