

PRODUCT OUTLINE

SGC24100\_01\_TSMC\_CLN16FC

## TEMPERATURE MEASUREMENT DIODE

### Features

- Diode for temperature measurement

### General Description

*SGC24100\_01\_TSMC\_CLN16FC* is a silicon diode macro designed for temperature measurement. Designed for direct usage with *SGC24012\_01\_TSMC\_CLN16FC* high resolution temperature measurement ADC IP, it is specified from  $T_J = -40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

### Applications

- In chip temperature measurement

### Quick Reference

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNIT
$T_{SET}$	Settling time	—	—	1.0	$\mu\text{s}$

### Applications Diagram

