

SGC21547_IP007701_GF_22FDX

LOW POWER RC OSCILLATOR

Features

- Low power RC oscillator
- Ultra-low current consumption
- Built-in bias references
- Digital trim
- Fast start-up time
- Start-up monitor with reset generator
- Glitch-free power up and power down
- Large programming range, from 10MHz to 160MHz

General Description

SGC21547_IP007701_GF_22FDX is a digitally controlled RC oscillator optimized for ultra-low power applications. Making use of a RC dependent oscillator topology, it offers ultra-low power consumption and high temperature stability. Optimized for 10MHz to 160MHz range, it is specified from $T_j = -40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$.

Applications

- IoT
- Hand held devices
- Wireless power devices
- Battery powered stand-by devices

Quick Reference

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNIT
V_{IN}	Input Voltage	1.20	-	1.98	V
$V_{D V D D}$	Digital Voltage	0.60	-	0.90	V
F_{CLK}	Clock Range	10	-	160	Mhz