

General Description

This document details the custom configuration that is programmed into the one-time-programmable (OTP) memory of the 9FGV1002C001. Please refer to the device datasheet for further information about the device.

General Configuration

Parameter	Value	Units
Device I ² C Address	Primary 0xD0	---
Default Configuration at I ² C mode	0	---

Frequency Overview

Parameter	Config 0	Config 1	Config 2	Config 3	Units
Input	25	25	25	25	MHz
Ref 0	---	---	---	---	MHz
Ref 1	---	---	---	---	MHz
Out 0	100	100	100	100	MHz
Out 1	100	100	100	100	MHz
Out 2	100	100	100	100	MHz
Out 3	100	100	100	100	MHz

Configuration 0 Parameters: SEL[1:0] = 00

Input Frequency: 25 MHz, Crystal Load Capacitance: 8.19pF

Parameter	Ref 0	Ref 1	Out 0	Out 1	Out 2	Out 3	Units
Frequency	25	25	100	100	100	100	MHz
Default Output Status	Off	Off	On	On	On	On	
VDDO Voltage	Low	Low	3.3	3.3	3.3	3.3	V
Output Type	LVC MOS	LVC MOS	LPHCSL	LPHCSL	LPHCSL	LPHCSL	
Spread Spectrum	---	---	---	---	---	---	%
Spread Modulation Rate	---	---	---	---	---	---	KHz
LPHCSL Impedance	---	---	100	100	100	100	Ω

Configuration 1 Parameters: SEL[1:0] = 01

Input Frequency: 25 MHz, Crystal Load Capacitance: 8.19pF

Parameter	Ref 0	Ref 1	Out 0	Out 1	Out 2	Out 3	Units
Frequency	25	25	100	100	100	100	MHz
Default Output Status	Off	Off	On	On	On	On	
VDDO Voltage	Low	Low	3.3	3.3	3.3	3.3	V
Output Type	LVC MOS	LVC MOS	LPHCSL	LPHCSL	LPHCSL	LPHCSL	
Spread Spectrum	---	---	-0.1	-0.1	-0.1	-0.1	%
Spread Modulation Rate	---	---	31.5	31.5	31.5	31.5	KHz
LPHCSL Impedance	---	---	100	100	100	100	Ω

Configuration 2 Parameters: SEL[1:0] = 10

Input Frequency: 25 MHz, Crystal Load Capacitance: 8.19pF

Parameter	Ref 0	Ref 1	Out 0	Out 1	Out 2	Out 3	Units
Frequency	25	25	100	100	100	100	MHz
Default Output Status	Off	Off	On	On	On	On	
VDDO Voltage	Low	Low	3.3	3.3	3.3	3.3	V
Output Type	LVC MOS	LVC MOS	LPHCSL	LPHCSL	LPHCSL	LPHCSL	
Spread Spectrum	---	---	-0.3	-0.3	-0.3	-0.3	%
Spread Modulation Rate	---	---	31.5	31.5	31.5	31.5	KHz
LPHCSL Impedance	---	---	100	100	100	100	Ω

Configuration 3 Parameters: SEL[1:0] = 11

Input Frequency: 25 MHz, Crystal Load Capacitance: 8.19pF

Parameter	Ref 0	Ref 1	Out 0	Out 1	Out 2	Out 3	Units
Frequency	25	25	100	100	100	100	MHz
Default Output Status	Off	Off	On	On	On	On	
VDDO Voltage	Low	Low	3.3	3.3	3.3	3.3	V
Output Type	LVC MOS	LVC MOS	LPHCSL	LPHCSL	LPHCSL	LPHCSL	
Spread Spectrum	---	---	-0.5	-0.5	-0.5	-0.5	%
Spread Modulation Rate	---	---	31.5	31.5	31.5	31.5	KHz
LPHCSL Impedance	---	---	100	100	100	100	Ω

9FGV1002C001NBGI Ordering Information

Industrial	Shipping Package	Temperature
9FGV1002C001NBGI	Tray	-40° to +85°C
9FGV1002C001NBGI8	Tape and Reel	-40° to +85°C
Automotive	Shipping Package	Temperature
9FGV1002C001NBG2	Tray	-40° to +105°C
9FGV1002C001NBG28	Tape and Reel	-40° to +105°C

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