
SiT8924B-18-0002

Description

This datasheet addendum defines the configuration of custom part number SiT8924B-18-0002, which is a custom version of the SiTime base SiT8924 datasheet. Please refer to the SiT8924 datasheet and related collateral for further information about this device. You can search for and download the base SiT8924 datasheet from the SiTime website. Go to <https://www.sitime.com/datasheet/sit8924> for more information.

Configuration Information

Custom Part Number: SiT8924B-18-0002

Base Part Number: SiT8924

Silicon Revision: B

Frequency (MHz): 20.000000

Frequency Stability (PPM): ± 30

Supply Voltage (V): 1.8

Temperature Range ($^{\circ}\text{C}$): -55 to 125

Package Size (mm): 2.5x2.0

Output Drive Strength: Default

Feature Pin: Output Enable (OE)

Packaging Options (Append to the end of the custom part number when ordering. For example, order SiT8924B-18-0002D for a 8 mm Tape & Reel, 3ku Reel):

- "D": 8 mm Tape & Reel, 3ku Reel
- "E": 8 mm Tape & Reel, 1ku Reel
- "": (blank) Bulk for sampling only

Electrical Characteristics

Table 1. Electrical Characteristics ^[1]

Parameters	Symbol	Min.	Typ.	Max.	Unit	Condition
Aging						
10-year Total Stability	F_10y	-25	–	+25	ppm	Inclusive of Initial tolerance at 25°C, 10-year aging at 25°C, and variations over operating temperature, rated power supply voltage and load (15 pF ± 10%)

Note:

1. Refer to SiT8924 standard datasheet for all other specifications.

Revision History

Revision: 2

- Revision Date: 03/15/2022
- Initial Release

Revision: 1

- Revision Date: 03/07/2022
- Initial Release

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