

SiT9375A-A820001

Description

This datasheet addendum defines the configuration of custom part number SiT9375A-A820001, which is a configuration-specific version of the SiTime base SiT9375 datasheet. Please refer to the SiT9375 datasheet and related collateral for further information about this device. You can search for and download the base SiT9375 datasheet from the SiTime website. Go to <https://www.sitime.com/datasheet/sit9375> for more information.

Configuration Information

Custom Part Number: SiT9375A-A820001

Base Part Number: SiT9375

Silicon Revision: A

Frequency (MHz): 100.000000

Frequency Stability (PPM): ± 30

Supply Voltage (V): 3.3

Temperature Range ($^{\circ}\text{C}$): -40 to 105

Package Size (mm): 2.5x2.0

Signaling Group: LVPECL, LVDS, HCSL, Low-power HCSL

Signaling Type: LVDS

Feature Pin: OE active high

Reserved: Default

Packaging Options (Append to the end of the custom part number when ordering. For example, order SiT9375A-A820001D for an 8mm Tape & Reel, 3ku Reel):

- "D": 8mm Tape & Reel, 3ku Reel
- "E": 8mm Tape & Reel, 1ku Reel
- "G": 8mm Tape & Reel, 250u Reel
- "": (blank) Bulk for sampling only

Electrical Characteristics

Table 1. Electrical Characteristics^[1]

Parameters	Symbol	Min.	Typ.	Max.	Unit	Condition
Jitter						
RMS Phase Jitter (random)	T_phj	–	–	150	fs	12 kHz to 20 MHz offset frequency integration bandwidth 150 MHz, 2MHz to 20 MHz offset frequency integration bandwidth 100 MHz

Note:

Refer to SiT9375 standard datasheet for all other specifications.

Revision History

Revision: 1

- Revision Date: 07/29/2022
- Initial Release

Corporate Headquarters

SiTime Corporation
5451 Patrick Henry Drive
Santa Clara, CA 95054, USA

Contact Information

For further information on a product, technology, document, or to locate your nearest sales office, please visit:

<https://www.sitime.com>

Phone: +1-408-328-4400

FAX: +1-408-328-4439

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