

SiT1532A-J4-0001

32.768 kHz, ±100 ppm MEMS XO for Cypress Semiconductor

PRELIMINARY



Description

The SiT1532A-J4-0001 is a frequency specific version of the SiT1532 MEMS XO that supports 32.768 kHz output and ±100 ppm frequency stability.

Refer to the [SiT1532 datasheet](#), reliability report and composition report for all other device specifications, quality and environmental information.

Features

- Frequency: 32.768 kHz
- Frequency stability: ±100 ppm
- Operating temperature range: -40 to 85°C
- DC coupled
- 1.10 V VOH, and 400 mV VOL
- CSP 1.5 x 0.8 mm² footprint
- Pb-free, RoHs and REACH compliant

Ordering Information

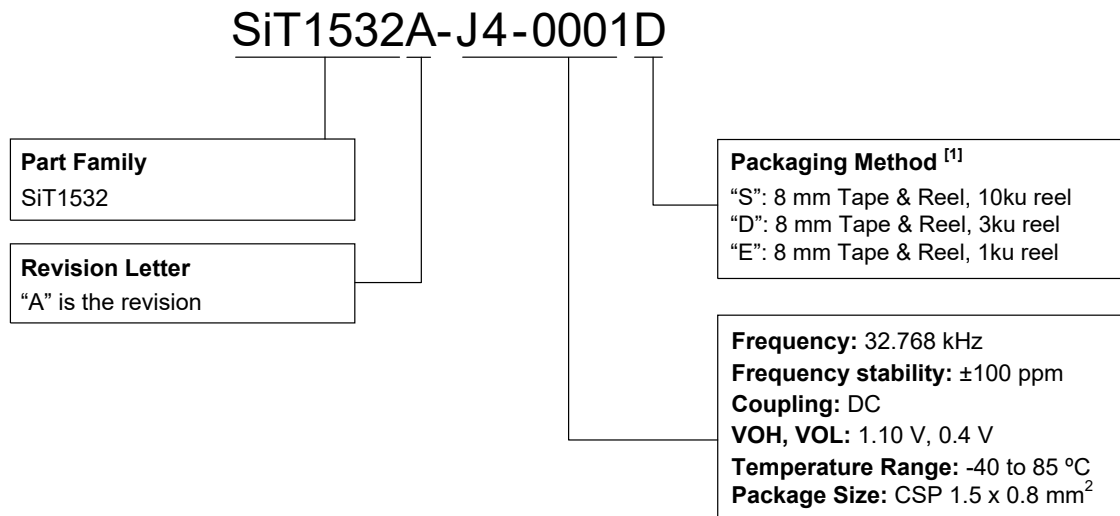


Figure 1. Order codes

Notes:

1. Samples in cut Tape & Reel strips

SiT1532A-J4-0001 32.768 kHz, ± 100 ppm MEMS XO for Cypress Semiconductor**Table 1. Electrical Characteristics^[2]**

Parameters	Symbol	Min.	Typ.	Max.	Unit	Condition
Frequency Coverage						
Output Frequency Range	F		32.768		kHz	
Frequency Stability						
Frequency Stability	F_stab	-100	-	100	ppb	Measured peak-to-peak. Inclusive of Initial Tolerance at 25°C, and variations over operating temperature, rated power supply voltage and load. T_use: -40°C to +85°C, Vdd: 1.5V – 3.63V
Supply Voltage						
Supply Voltage	V _{DD}	1.5	-	3.63	V	
Temperature Range						
Operating Temperature Range	T_use	-40	-	85	°C	

Note:

- Refer to the SiT1532 standard datasheet for all other specifications.

Revision History**Table 2. Revision History**

Version	Release Date	Change Summary
0.80	01/11/2020	First release

SiTime Corporation, 5451 Patrick Henry Drive, Santa Clara, CA 95054, USA | **Phone:** +1-408-328-4400 | **Fax:** +1-408-328-4439

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