

# SiT9025A-11-0001

25 MHz,  $\pm 20$  ppm Automotive MEMS XO for Texas Instruments



## Description

The SiT9025A-11-0001 is a frequency specific version of the [SiT9025 MEMS XO](#) that supports 25 MHz output and  $\pm 20$  ppm frequency stability over temperature.

Refer to the [SiT9025 datasheet](#), reliability report and composition report for all other device specifications, quality and environmental information.

## Features

- Frequency: 25 MHz
- Frequency stability:  $\pm 20$  ppm
- Operating temperature range:  $-40$  °C to  $125$  °C
- 1.8V supply voltage
- LVC MOS output
- Standard 2.5 mm x 2.0 mm footprint
- AEC-Q100 qualified
- Pb-free, RoHs and REACH compliant

## Ordering Information

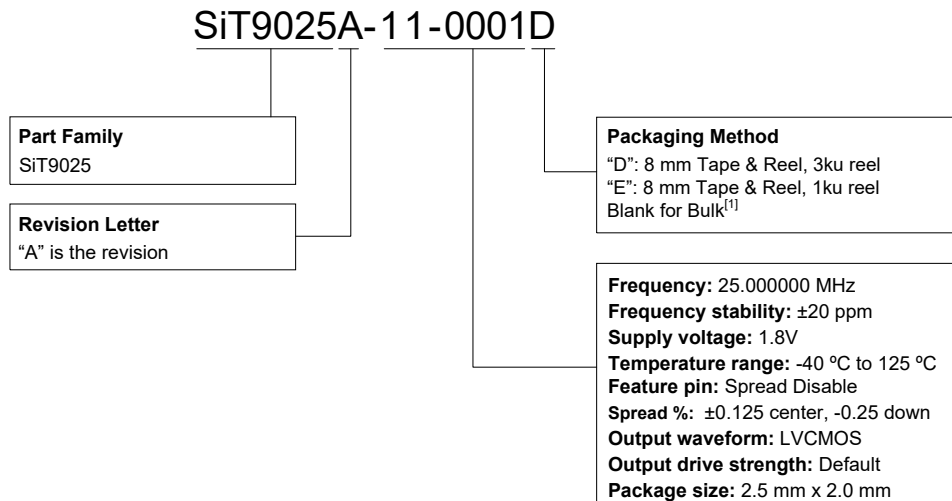


Figure 1. Order codes

### Notes:

1. Bulk is available for sampling only.

Table 1. Electrical Characteristics<sup>[2]</sup>

Parameters	Symbol	Min.	Typ.	Max.	Unit	Condition
<b>Frequency Coverage</b>						
Output Frequency Range	F		25.000000		MHz	
<b>Frequency Stability</b>						
Frequency Stability	F_stab	-20	–	+20	ppm	Inclusive of initial tolerance at 25°C, 1st year aging at 25°C, and variations over operating temperature, rated power supply voltage. Spread = Off.
<b>Supply Voltage</b>						
Supply Voltage	V <sub>DD</sub>	1.62	1.8	1.98	V	
<b>Temperature Range</b>						
Operating Temperature Range	T <sub>use</sub>	-40	–	125	°C	

**Note:**

2. Refer to [SiT8924 standard datasheet](#) for all other specifications.

## Revision History

Table 2. Revision History

Version	Release Date	Change Summary
0.5	01/27/2020	First release

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