

SiTIME MEMS Oscillators



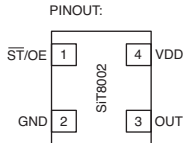
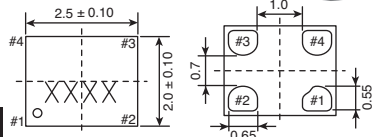
This product is RoHS compliant.



SIT8002 SERIES: 3.3 VOLT, 2.5MM X 2.0MM PACKAGE

Features:

- One Time Programmable 1MHz to 125MHz Clock
- Ultra short leadtime
- Greater immunity from interference and ultra-reliable start up



Pad 1: Standby, Output Enable
Pad 2: Connect to Ground
Pad 3: Clock Output
Pad 4: Connect +3.3V

• Other frequencies and voltages available (1.8V and 2.5V)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SiTime Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
788-8002AI133E-2.04T	SIT8002AI-13-33E-2.04800T	2.04800	1.98	1.72	1.52	1.40
788-8002AI133E-3.6T	SIT8002AI-13-33E-3.68640T	3.68640	1.98	1.72	1.52	1.40
788-8002AI133E-4.0T	SIT8002AI-13-33E-4.00000T	4.00000	1.98	1.72	1.52	1.40
788-8002AI133E-5.0T	SIT8002AI-13-33E-5.00000T	5.00000	1.98	1.72	1.52	1.40
788-8002AI133E-6.0T	SIT8002AI-13-33E-6.00000T	6.00000	1.98	1.72	1.52	1.40
788-8002AI133E-8.0T	SIT8002AI-13-33E-8.00000T	8.00000	1.98	1.72	1.52	1.40
788-8002AI133E-10.0T	SIT8002AI-13-33E-10.00000T	10.00000	1.98	1.72	1.52	1.40
788-8002AI133E-12.0T	SIT8002AI-13-33E-12.00000T	12.00000	1.98	1.72	1.52	1.40
788-8002AI133E-13.0T	SIT8002AI-13-33E-13.00000T	13.00000	1.98	1.72	1.52	1.40
788-8002AI133E-13.5T	SIT8002AI-13-33E-13.56000T	13.56000	1.98	1.72	1.52	1.40
788-8002AI133E-14.3T	SIT8002AI-13-33E-14.31818T	14.31818	1.98	1.72	1.52	1.40
788-8002AI133E-14.7T	SIT8002AI-13-33E-14.74560T	14.74560	1.98	1.72	1.52	1.40
788-8002AI133E-16.0T	SIT8002AI-13-33E-16.00000T	16.00000	1.98	1.72	1.52	1.40
788-8002AI133E-18.4T	SIT8002AI-13-33E-18.43200T	18.43200	1.98	1.72	1.52	1.40
788-8002AI133E-20.0T	SIT8002AI-13-33E-20.00000T	20.00000	1.98	1.72	1.52	1.40
788-8002AI133E-24.0T	SIT8002AI-13-33E-24.00000T	24.00000	1.98	1.72	1.52	1.40
788-8002AI133E-24.5T	SIT8002AI-13-33E-24.57600T	24.57600	1.98	1.72	1.52	1.40
788-8002AI133E-25.0T	SIT8002AI-13-33E-25.00000T	25.00000	1.98	1.72	1.52	1.40
788-8002AI133E-27.0T	SIT8002AI-13-33E-27.00000T	27.00000	1.98	1.72	1.52	1.40
788-8002AI133E-30.0T	SIT8002AI-13-33E-30.00000T	30.00000	1.98	1.72	1.52	1.40
788-8002AI133E-32.0T	SIT8002AI-13-33E-32.00000T	32.00000	1.98	1.72	1.52	1.40
788-8002AI133E-32.7T	SIT8002AI-13-33E-32.76800T	32.76800	1.98	1.72	1.52	1.40
788-8002AI133E-33.0T	SIT8002AI-13-33E-33.00000T	33.00000	1.98	1.72	1.52	1.40
788-8002AI133E-33.3T	SIT8002AI-13-33E-33.33300T	33.33300	1.98	1.72	1.52	1.40
788-8002AI133E-40.0T	SIT8002AI-13-33E-40.00000T	40.00000	1.98	1.72	1.52	1.40
788-8002AI133E-48.0T	SIT8002AI-13-33E-48.00000T	48.00000	1.98	1.72	1.52	1.40
788-8002AI133E-50.0T	SIT8002AI-13-33E-50.00000T	50.00000	1.98	1.72	1.52	1.40
788-8002AI133E-60.0T	SIT8002AI-13-33E-60.00000T	60.00000	1.98	1.72	1.52	1.40
788-8002AI133E-64.0T	SIT8002AI-13-33E-64.00000T	64.00000	1.98	1.72	1.52	1.40
788-8002AI133E-66.6T	SIT8002AI-13-33E-66.66667T	66.66667	1.98	1.72	1.52	1.40
788-8002AI133E-75.0T	SIT8002AI-13-33E-75.00000T	75.00000	2.16	1.87	1.66	1.53
788-8002AI133E-80.0T	SIT8002AI-13-33E-80.00000T	80.00000	2.16	1.87	1.66	1.53
788-8002AI133E-100T	SIT8002AI-13-33E-100.00000T	100.00000	2.16	1.87	1.66	1.53
788-8002AI133E-106T	SIT8002AI-13-33E-106.25000T	106.25000	2.16	1.87	1.66	1.53
788-8002AI133E-125T	SIT8002AI-13-33E-125.00000T	125.00000	2.16	1.87	1.66	1.53

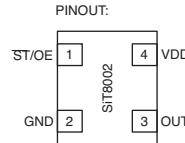
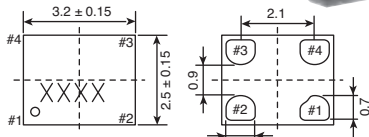
Frequency Control

SiTime

SIT8002 SERIES: 3.3 VOLT, 3.2MM X 2.5MM PACKAGE

Features:

- One Time Programmable 1MHz to 125MHz Clock
- Ultra short leadtime
- Greater immunity from interference and ultra-reliable start up



Pad 1: Standby, Output Enable
Pad 2: Connect to Ground
Pad 3: Clock Output
Pad 4: Connect +3.3V

• Other frequencies and voltages available (1.8V and 2.5V)

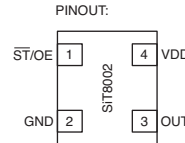
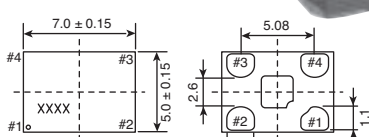
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SiTime Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
788-8002AI233E-4.0T	SIT8002AI-23-33E-4.00000T	4.00000	1.83	1.59	1.40	1.30
788-8002AI233E-8.0T	SIT8002AI-23-33E-8.00000T	8.00000	1.83	1.59	1.40	1.30
788-8002AI233E-10.0T	SIT8002AI-23-33E-10.00000T	10.00000	1.83	1.59	1.40	1.30
788-8002AI233E-12.0T	SIT8002AI-23-33E-12.00000T	12.00000	1.83	1.59	1.40	1.30
788-8002AI233E-13.5T	SIT8002AI-23-33E-13.56000T	13.56000	1.83	1.59	1.40	1.30
788-8002AI233E-14.3T	SIT8002AI-23-33E-14.31818T	14.31818	1.83	1.59	1.40	1.30
788-8002AI233E-16.0T	SIT8002AI-23-33E-16.00000T	16.00000	1.83	1.59	1.40	1.30
788-8002AI233E-20.0T	SIT8002AI-23-33E-20.00000T	20.00000	1.83	1.59	1.40	1.30
788-8002AI233E-24.5T	SIT8002AI-23-33E-24.57600T	24.57600	1.83	1.59	1.40	1.30
788-8002AI233E-25.0T	SIT8002AI-23-33E-25.00000T	25.00000	1.83	1.59	1.40	1.30
788-8002AI233E-27.0T	SIT8002AI-23-33E-27.00000T	27.00000	1.83	1.59	1.40	1.30
788-8002AI233E-33.3T	SIT8002AI-23-33E-33.33300T	33.33300	1.83	1.59	1.40	1.30
788-8002AI233E-40.0T	SIT8002AI-23-33E-40.00000T	40.00000	1.83	1.59	1.40	1.30
788-8002AI233E-48.0T	SIT8002AI-23-33E-48.00000T	48.00000	1.83	1.59	1.40	1.30
788-8002AI233E-50.0T	SIT8002AI-23-33E-50.00000T	50.00000	1.83	1.59	1.40	1.30
788-8002AI233E-80.0T	SIT8002AI-23-33E-80.00000T	80.00000	2.01	1.74	1.54	1.42
788-8002AI233E-100T	SIT8002AI-23-33E-100.00000T	100.00000	2.01	1.74	1.54	1.42

SIT8002 SERIES: 3.3 VOLT, 7.0MM X 5.0MM PACKAGE

Features:

- One Time Programmable 1MHz to 125MHz Clock
- Ultra short leadtime
- Greater immunity from interference and ultra-reliable start up



Pad 1: Standby, Output Enable
Pad 2: Connect to Ground
Pad 3: Clock Output
Pad 4: Connect +3.3V
The center pad is No Connect (NC)

• Other frequencies and voltages available (1.8V and 2.5V)

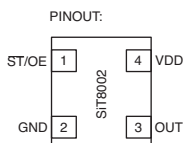
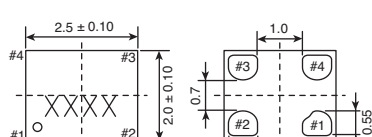
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SiTime Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
788-8002AI433E-1.84T	SIT8002AI-43-33E-1.84320T	1.84320	1.62	1.40	1.24	1.15
788-8002AI433E-2.04T	SIT8002AI-43-33E-2.04800T	2.04800	1.62	1.40	1.24	1.15
788-8002AI433E-3.68T	SIT8002AI-43-33E-3.68640T	3.68640	1.62	1.40	1.24	1.15
788-8002AI433E-4.0T	SIT8002AI-43-33E-4.00000T	4.00000	1.62	1.40	1.24	1.15
788-8002AI433E-5.0T	SIT8002AI-43-33E-5.00000T	5.00000	1.62	1.40	1.24	1.15
788-8002AI433E-6.0T	SIT8002AI-43-33E-6.00000T	6.00000	1.62	1.40	1.24	1.15
788-8002AI433E-6.14T	SIT8002AI-43-33E-6.14000T	6.14000	1.62	1.40	1.24	1.15
788-8002AI433E-8.0T	SIT8002AI-43-33E-8.00000T	8.00000	1.62	1.40	1.24	1.15
788-8002AI433E-10.0T	SIT8002AI-43-33E-10.00000T	10.00000	1.62	1.40	1.24	1.15
788-8002AI433E-12.0T	SIT8002AI-43-33E-12.00000T	12.00000	1.62	1.40	1.24	1.15
788-8002AI433E-13.0T	SIT8002AI-43-33E-13.00000T	13.00000	1.62	1.40	1.24	1.15
788-8002AI433E-13.5T	SIT8002AI-43-33E-13.56000T	13.56000	1.62	1.40	1.24	1.15
788-8002AI433E-14.3T	SIT8002AI-43-33E-14.31818T	14.31818	1.62	1.40	1.24	1.15
788-8002AI433E-14.7T	SIT8002AI-43-33E-14.74560T	14.74560	1.62	1.40	1.24	1.15
788-8002AI433E-16.0T	SIT8002AI-43-33E-16.00000T	16.00000	1.62	1.40	1.24	1.15
788-8002AI433E-20.0T	SIT8002AI-43-33E-20.00000T	20.00000	1.62	1.40	1.24	1.15
788-8002AI433E-24.0T	SIT8002AI-43-33E-24.00000T	24.00000	1.62	1.40	1.24	1.15
788-8002AI433E-24.5T	SIT8002AI-43-33E-24.57600T	24.57600	1.62	1.40	1.24	1.15
788-8002AI433E-25.0T	SIT8002AI-43-33E-25.00000T	25.00000	1.62	1.40	1.24	1.15
788-8002AI433E-27.0T	SIT8002AI-43-33E-27.00000T	27.00000	1.62	1.40	1.24	1.15
788-8002AI433E-30.0T	SIT8002AI-43-33E-30.00000T	30.00000	1.62	1.40	1.24	1.15
788-8002AI433E-32.7T	SIT8002AI-43-33E-32.76800T	32.76800	1.62	1.40	1.24	1.15
788-8002AI433E-33.3T	SIT8002AI-43-33E-33.33300T	33.33300	1.62	1.40	1.24	1.15
788-8002AI433E-40.0T	SIT8002AI-43-33E-40.00000T	40.00000	1.62	1.40	1.24	1.15
788-8002AI433E-48.0T	SIT8002AI-43-33E-48.00000T	48.00000	1.62	1.40	1.24	1.15
788-8002AI433E-50.0T	SIT8002AI-43-33E-50.00000T	50.00000	1.62	1.40	1.24	1.15
788-8002AI433E-60.0T	SIT8002AI-43-33E-60.00000T	60.00000	1.62	1.40	1.24	1.15
788-8002AI433E-66.6T	SIT8002AI-43-33E-66.66667T	66.66667	1.62	1.40	1.24	1.15
788-8002AI433E-80.0T	SIT8002AI-43-33E-80.00000T	80.00000	1.80	1.56	1.38	1.28
788-8002AI433E-100T	SIT8002AI-43-33E-100.00000T	100.00000	1.80	1.56	1.38	1.28
788-8002AI433E-106T	SIT8002AI-43-33E-106.25000T	106.25000	1.80	1.56	1.38	1.28

SIT8002 SERIES: 1.8 VOLT, 2.5MM X 2.0MM PACKAGE

Features:

- One Time Programmable 1MHz to 125MHz Clock
- Ultra short leadtime
- Greater immunity from interference and ultra-reliable start up



Pad 1: Standby, Output Enable
Pad 2: Connect to Ground
Pad 3: Clock Output
Pad 4: Connect +1.8V

• Other frequencies and voltages available (1.8V and 2.5V)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SiTime Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
788-8002AI131E-4.0T	SIT8002AI-13-18E-4.00000T	4.00000	2.07	1.79	1.59	1.47
788-8002AI131E-8.0T	SIT8002AI-13-18E-8.00000T	8.00000	2.07	1.79	1.59	1.47
788-8002AI131E-12.0T	SIT8002AI-13-18E-12.00000T	12.00000	2.07	1.79	1.59	1.47
788-8002AI131E-14.3T	SIT8002AI-13-18E-14.31818T	14.31818	2.07	1.79	1.59	1.47
788-8002AI131E-16.0T	SIT8002AI-13-18E-16.00000					