

This parts does not contain any hazardous substances as specified in the RoHS (The restriction of the use of certain hazardous substances)

- P/N : SCO323350ADSR-25M
- Requirements

	Items	Specifications	
1	Nominal Frequency	25.000000 MHz	
2	Model Name	SCO-32	
3	Dimension	See drawing	
4	Operating Temperature range	-40~85℃	
5	Storage temperature range	-55~125℃	
6	Frequency Tolerance / Stability	± 50 ppm max.	
	(in operating temperature range)		
7	Supply voltage(VDD)	1.8~3.3 VDC±5%.	
8	Input Current(consumption current)	25 mA max.	
9	Rising/Falling time(Tr/Tf)	2 ns max.	
10	Symmetry(Output duty cycle)	45:55 %	
11	Aging in a year	± 3 ppm / year	
12	Enable/Disable function on pin 1	available	
13	Output Loads (CMOS)	CL=15pF	
14	Marking	25.000 S YWW ●	

Application Note

Please do not connect inductor or bead between power supply and VDD(#4 pad).

It can make output oscillation unstable.

Please connect bypass capacitor 0.1μ F or 0.01μ F between VDD(#4 pad) and circuit ground.

Please connect #1 pad to Vcc(#4 pad), if Enable/Disable function of #1 isn't used.

■ Storage condition of SMD products in the room temperature Temperature : 25±3℃, Humidity: 35±10%(RH)

Storage period

It is recommended that Storage period of SMD products for Bulk and T & R be within 6 months and 12 months, respectively.

Electrostatic Discharge (ESD) Precaution

SMD Oscillators are ESD-sensitive devices. The work surface where devices are placed for handling, processing, testing, etc., must, be made of static-dissipative material and be grounded to ESD ground.

■Dimension (Unit : mm)









CONNECTION

- 1 : N.C or EN/DIS(Tri-State)
- 2 : GND
- 3 : OUTPUT
- 4 : Vcc

◆ E/D Function		
Output		
Enable		
Disable		
Enable		

Note)

■Recommended Soldering Pattern (Unit : mm)



Note)

Please connect bypass capacitor 0.1μ F or 0.01μ F between Vcc(#4 pad) and circuit ground.

Please connect #1 pad to Vcc(#4 pad),

if don't use Enable/Disable function of #1.



■Structure illustration



■Component

Component	Materials and Finish
Lid	Kovar
Package	Al ₂ O ₃
Gold Wire	Au
Ероху	Silicon
Synthetic Quartz	SiO ₂
Electrode	Ag
IC	Silicon

