

SPECIFICATION OF CRYSTAL OSCILLATOR

Spec.No:1XSH004000AV4

1.Type	DSO751SV
2.Output Frequency	4MHz
3.Frequency Tolerance	+/-100ppm (Vdd=3.3+/-0.3V,-10deg.C to 70deg.C)
4.Supply Voltage	3.3+/-0.3V
5.Operating Temp. Range	-10deg.C to +70deg.C
6.Storage Temp. Range	-55deg.C to +125deg.C
7.Current Consumption 1 (#1Pin:Open or "H"level)	25mA max.(NOLOAD)
8.Current Consumption 2 (#1Pin:"L"level)	0.02mA max.
9.Symmetry	45% to 55%
10.Low Level Output Voltage (Vol)	0.3V max.
11.High Level Output Voltage (Voh)	0.9Vdd min.
12.Rise And Fall Time (Tr,Tf)	6ns max.
13.Output Load	30pF
14.Low Level Input Voltage (Vil)	0.6V max.
15.High Level Input Voltage (Vih)	2.3V min.
16.Output Disable Time (Tplz)	100ns max.
17.Output Enable Time (Tpzl)	5ms max.
18.Marking And Dimensions	Fig 1

Test condition:Unless otherwise,Vdd=3.3V, 25deg.C+/-3deg.C
DSO751S series has no by-pass capacitor integrated.We recommend you to use capacitor(like ceramic chip capacitor)0.01uF in between Vdd and GND.

Fig1 Marking and Dimensions

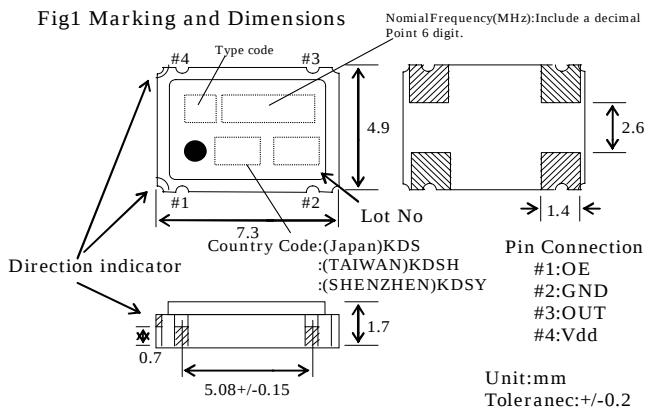


Fig.2 Measurement circuit

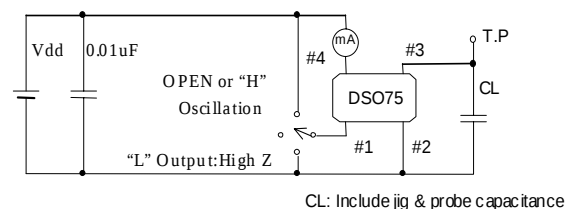
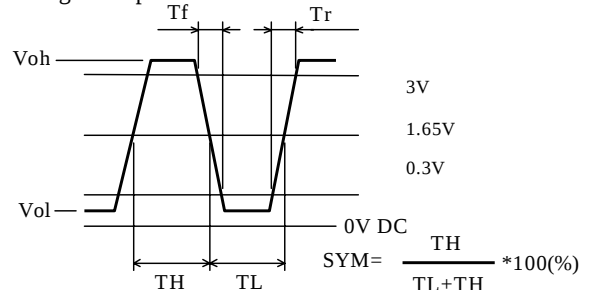


Fig3 Output wave form



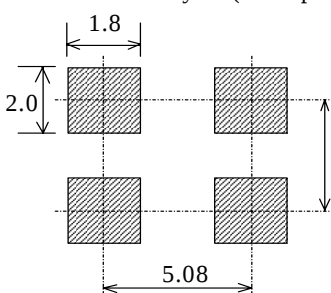
Lot No.

Type code:V

Year: Last digit of the year
Month: Alphabet assign below

Month	1	2	3	4	5	6	7	8	9	10	11	12
code	A	B	C	D	E	F	G	H	J	K	L	M

Land Pattern Layout(example)



Reflow condition(example)

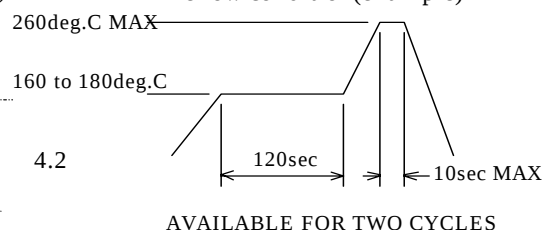


Fig.4 Input output condition

