

- | | Item | Symbol | Rating | | | Unit |
|---|---------------------------|------------------|--------|---|------|------|
| 1 | Supply Voltage | V _{CC} | -0.3 | ~ | +4.5 | V |
| 2 | Storage Temperature Range | T _{stg} | -40 | ~ | +125 | °C |

	Item	Symbol	min.	typ.	max.	Unit
1	Supply Voltage	V _{CC}	+1.6	+1.8	+2.25	V
			+2.25	+2.5	+2.75	V
			+2.6	+2.8	+3.0	V
			+3.0	+3.3	+3.6	V
2	Output Load	L _{CMOS}	-	-	15	pF
3	Operating Temperature Range	T _{use}	-40	-	+105	°C

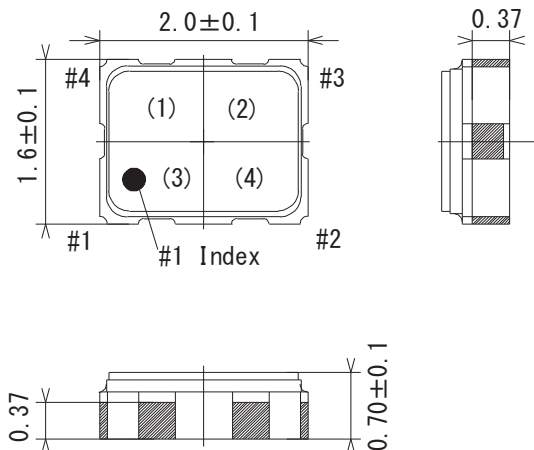
	Item	Symbol	Condition		Limits			Unit	Notes
					min.	typ.	max.		
1	Frequency Tolerance	f_tol	Vcc=+1.8 +1.8/-0.2V, Ta=-40~+105°C		-30	-	+30	ppm	1,2
2	Current Consumption	I _{cc}	At No Load	Vcc=+1.8V	-	-	2.7	mA	
				Vcc=+2.5V	-	-	3.4	mA	
				Vcc=+2.8V	-	-	3.7	mA	
				Vcc=+3.3V	-	-	4.2	mA	
3	Stand-by Current	I _{std}	#1 pin "L" Level		-	-	10	μA	
4	Output Characteristics								
	1.Symmetry	SYM	Vcc×0.5 Level		45	-	55	%	
	2.Rise Time / Fall Time	tr / tf	Vcc×0.1 ~ Vcc×0.9 Level	Vcc=+1.8V	-	-	5	ns	
				Vcc=+2.5V, +2.8V,+3.3V	-	-	3	ns	
	3.0 Level Voltage	V _{OL}			-	-	Vcc×0.1	V	
5	4.1 Level Voltage	V _{OH}			Vcc×0.9	-	-	V	
	Input OE								
	1.Output Enable Time	tPZL			-	-	2	ms	
	2.Output Disable Time	tPLZ			-	-	200	ns	
	3.0 Level Input Voltage	V _{IL}			-	-	Vcc×0.3	V	
	4.1 Level Input Voltage	V _{IH}			Vcc×0.7	-	-	V	

Timing diagram for OE (#1) and Output (#3). The OE (#1) signal is a pulse with a width of 150ns max. The Output (#3) signal shows a high-impedance state (High Z) during the OE pulse, followed by an oscillation. The propagation delay t_{PZL} is indicated between the OE signal and the output transition.

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DSO211SXF TYPE SPECIFICATION		P2025-3208	
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8. Outline, Pin Connections

Outline



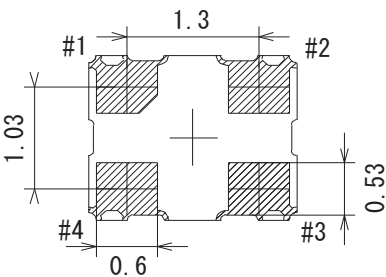
Pin Connections

Pin No.	Connection
#1	O.E.(Output Enable)
#2	GND
#3	Output
#4	Vcc

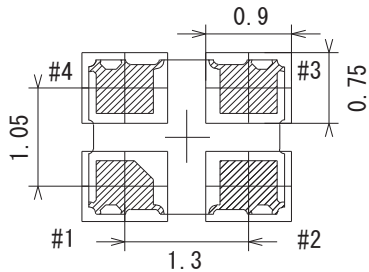
Marking

(1) Model code	XF
(2) Frequency	100.
(3) Logo	D
(4) Lot No.	Year (1digit) +Week (2digits) e.g.2025/1/1 → 501

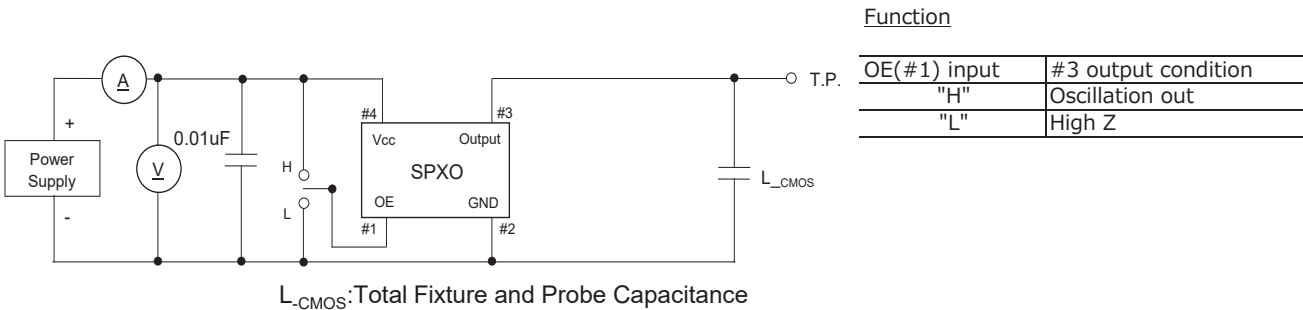
unit: mm
Dimensional Tolerance: ±0.1
(Unless otherwise noted)



Land pattern layout (Example)



9. Measurement Circuit



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