



## Features

- HCMOS Output
- Wide Temperature range: -40 to +105°C
- Temperature Stabilities: ±10ppm; ±15ppm
- Supply Voltages: 2.5V, 3.3V

ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (F <sub>o</sub> )	1.800~ 50.000 MHz
Temperature Range	
Operating (T <sub>OPR</sub> )	See table below
Storage (T <sub>STG</sub> )	-55°C ~ +125°C
Supply Voltage (V <sub>DD</sub> ) (±5%)	2.5V; 3.3V
Input Current (I <sub>DD</sub> )	4.0 mA
Frequency Stability Over Temperature Range	See table below
Output Voltage Level (V <sub>OL</sub> ) (V <sub>OH</sub> )	0.1V <sub>dd</sub> min 0.9V <sub>dd</sub>
Output Load	15 pF
Rise/Fall Time 20% and 90% V <sub>DD</sub> Levels	4.5 nS
Start-up Time (T <sub>S</sub> )	5 mS
Output Enable Time	5 mS
Output Disable Time	150 nS

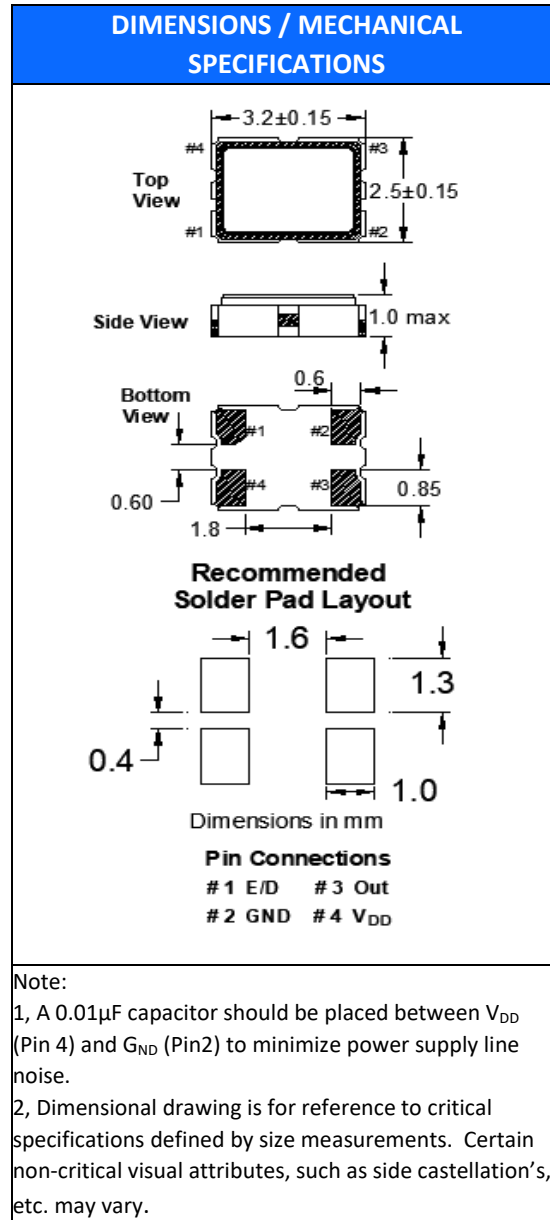
\* Not all frequencies in the frequency range available, please consult with Fox for availability.

ENABLE / DISABLE FUNCTION	
Pin1	Output (pin 3)
OPEN <sup>1</sup>	Active
'1' Level V <sub>IH</sub> ≥ 80%V <sub>DD</sub>	Active
'0' Level V <sub>IL</sub> ≤ 20%V <sub>DD</sub>	High Z

<sup>1</sup> An internal pull-up resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

Operating Temp	±10 PPM	±15 PPM
-40 ~+105°C	0	0

Specifications subject to change without notice



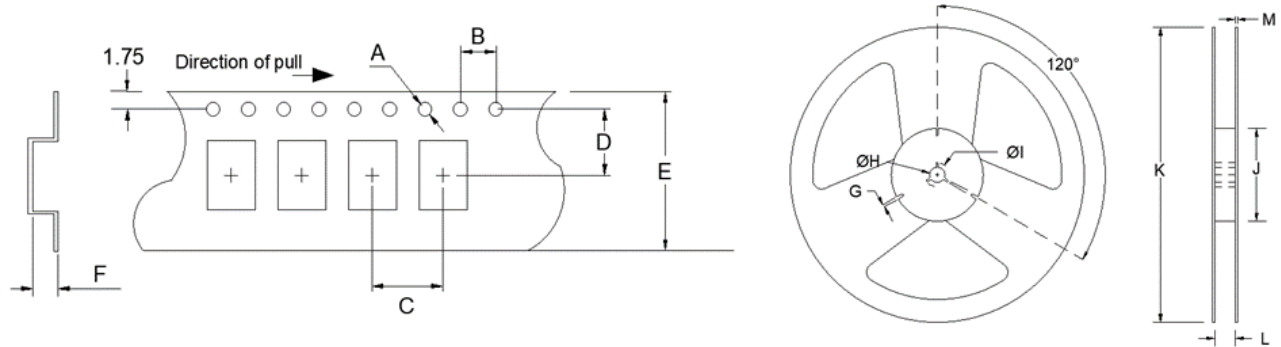
<b>STANDARD SPECIFICATIONS</b>	
PARAMETERS	MAX (Unless otherwise noted)
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	Not Applicable
Termination Finish	Au (0.3~1μm) over Ni (1.27~8.89μm)
Seal Method	Seam
Lead (Pb) Free	Yes
RoHS /REACH Compliant	Yes
Storage (product only)	Unlimited <30°C, 85%RH

# FO3HW HCMOS High Stability/Wide Temperature

3.2mm x 2.5mm



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.55	4.0	4.0	3.5	8.0	1.4	-T3 = 3,000 -T2 = 2,000 -T1 = 1,000	2.0	ø13	ø21	ø60	ø180	9.0	1.5



## Available Options & Part Identification for Model

Sample PN: **FO3HWBFP25.0-T3**

F	O3HW	B	F	P	25.0	-T3
<b>Fox</b>	<b>Model Number</b>	<b>Voltage</b> B = +3.3V±5% H = +2.5V±5%	<b>Stability</b> H = ±10 PPM F = ±15 PPM	<b>Operating Temperature</b> P = -40 to +105°C	<b>Frequency (MHz)</b>	<b>Values Added Options</b> Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs <b>T3 = 3,000 pcs</b>

## Reliability Test Conditions

Please contact Abracon Quality Assurance department