

Features

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

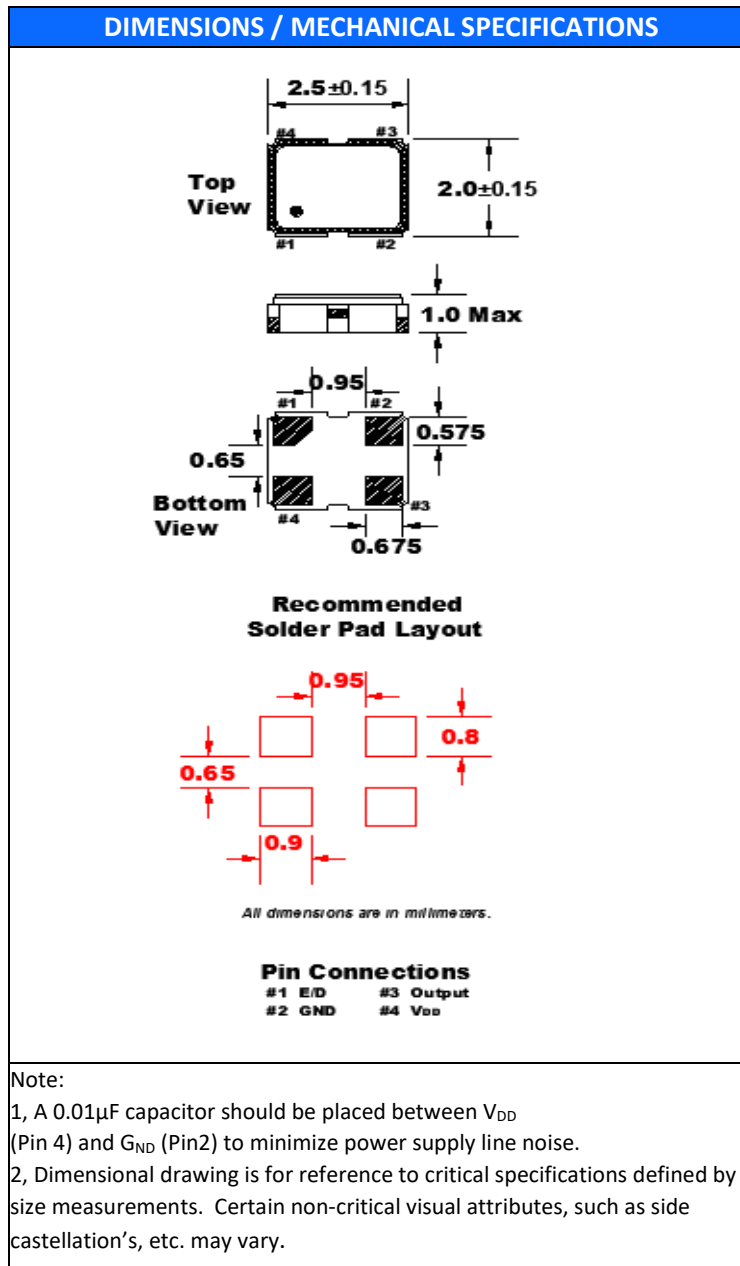
ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (MHz)	9.5 ~ 60.000*
Temperature Range	
Operating (T _{OPR})	See table below
Storage (T _{STG})	-55°C ~ +125°C
Supply Voltage (V _{DD}) ($\pm 5\%$)	2.5V; 3.3V
Input Current (I _{DD})	4.0 mA
Frequency Stability Over Temperature Range	See table below
Output Voltage (V _{OL})	0.1 V _{DD} Min
(V _{OH})	0.9 V _{DD}
Output Load	15 pF
Rise/Fall Time (10%~90%V _{DD} Levels) (T _R /T _F)	4.5 nS
Start-up Time (T _S)	5 mS
Enable Time	5 mS
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 ¹	Active
'1' Level V _{IH} \geq 80%V _{DD}	Active
'0' Level V _{IL} \leq 20%V _{DD}	High Z

¹ An internal pull-up resistor from pin 1 to pin 4 allows active output if pin 1 is left open

Operating Temperature	± 10 PPM	± 15 PPM
-40 ~ +105°C	o	o



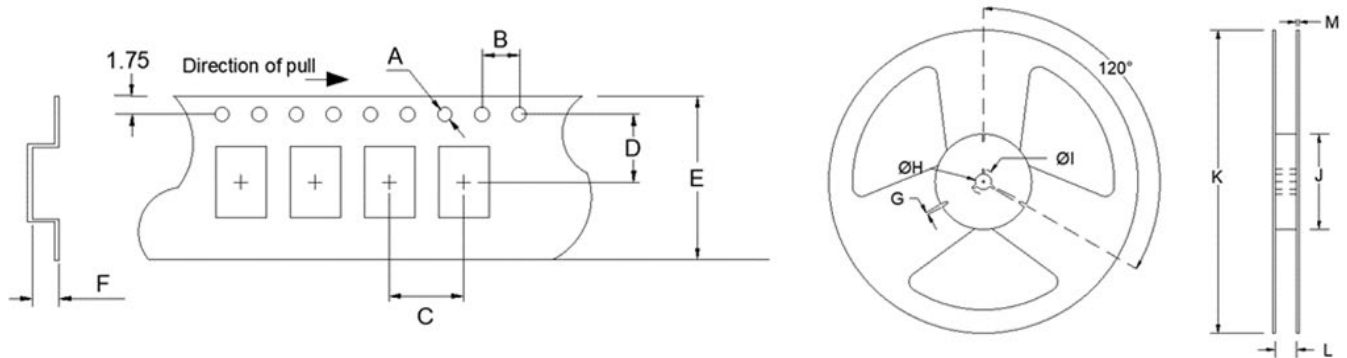
STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	Not Applicable
Termination Finish	Au (0.3~1μm) over Ni (1.27~8.89μm)
Seal Method	Seam
Lead (Pb) Free	Yes
ROHS/REACH Compliant	Yes
Storage (product only)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

FO2HW

2.5mm x 2.0mm
HCMOS High Stability/Wide Temperature



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	4.0	3.5	8.0	1.4	-T3 = 3,000 -T2 = 2,000 -T1 = 1,000	2.0	ø13	ø20.5	ø60	ø178	9.0	1.5



Available Options & Part Identification for Model

Sample PN: **FO2HWBFP25.0-T3**

F	O2HW	B	F	P	25.0	-T3
Fox	Model Number	Voltage B = +3.3V±5% H = +2.5V±5%	Stability H = ±10 PPM F = ±15 PPM	Operating Temperature P = -40 ~ +105°C	Frequency (MHz)	Values Added Options Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs T3 = 3,000 pcs

Reliability Test Conditions

Please contact Abracon Quality Assurance department