

Features

- HCMOS Output
- Stabilities to ± 100 PPM
- Temperature Ranges as wide as -40°C to $+85^{\circ}\text{C}$
- Supply Voltages: 3.3V

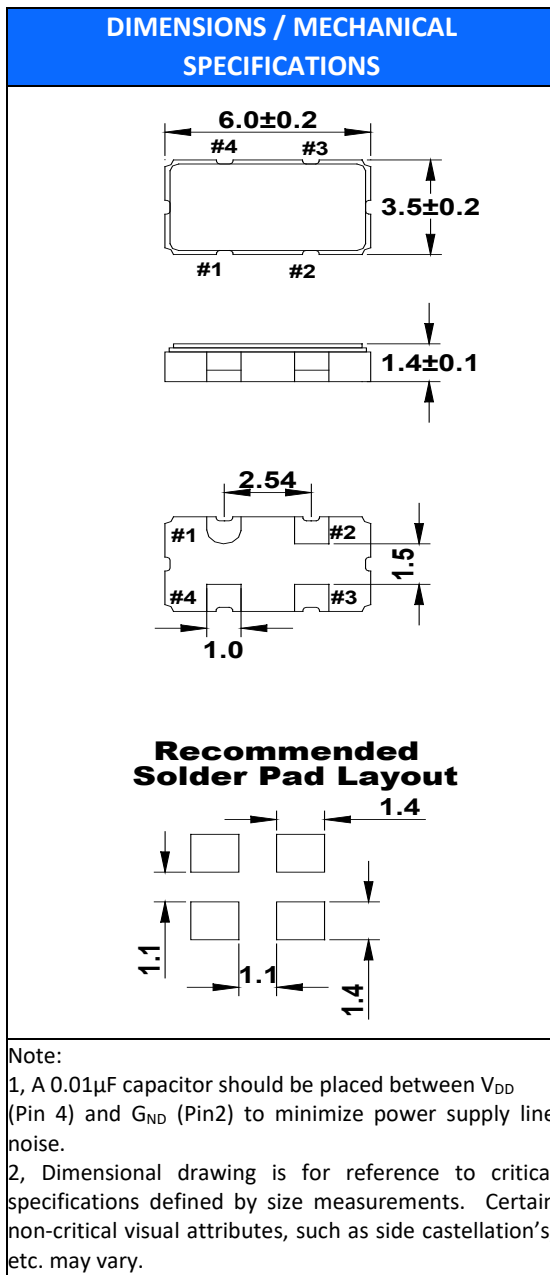
3.3V ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (Fo)	1.544 ~ 50.000 MHz
Temperature Range	
Storage (T _{STG})	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Supply Voltage (V _{DD})	3.3V $\pm 10\%$
Input Current (I _{DD})	20 mA
Standby Current	10 μA
Output Symmetry (50% V _{DD})	40 % ~ 60 %
Rise/Fall Time (10%/90% V _{DD} Levels) (T _R /T _F)	6 nS
Output Voltage (V _{OL})	10 % V _{DD}
(V _{OH})	90 % V _{DD} Min
Output Load (HCMOS)	15 pF
Start-up Time (T _S)	10 mS
Output Disable Time ¹	150 nS
Output Enable Time ¹	10 mS

ENABLE / DISABLE FUNCTION	
Pin1	Output (pin 3)
OPEN ¹	Active
'1' Level V _{IH} $\geq 70\%V_{DD}$	Active
'0' Level V _{IL} $\leq 30\%V_{DD}$	High Z

Available Options by Stability & Operating Temp ²		
Frequency Stability ²	Operating Temperature (°C)	Frequency Range (MHz)
$\pm 100\text{PPM}$	$-10 \sim +70$	1.544 ~ 50.000
$\pm 100\text{PPM}$	$-40 \sim +85$	1.544 ~ 50.000
$\pm 50\text{PPM}$	$-10 \sim +70$	1.544 ~ 50.000
$\pm 50\text{PPM}$	$-40 \sim +85$	1.544 ~ 50.000
$\pm 25\text{PPM}$	$-10 \sim +70$	1.544 ~ 50.000
$\pm 25\text{PPM}$	$-40 \sim +85$	1.544 ~ 50.000
$\pm 20\text{PPM}^*$	$-10 \sim +70$	1.544 ~ 50.000

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

² Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, shock, vibration, reflow, and One-year aging.



STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au (0.3~1μm) over Ni (1.27~8.89μm)
Seal Method	Seam
Lead (Pb) Free	Yes
RoHS /REACH Compliant	Yes

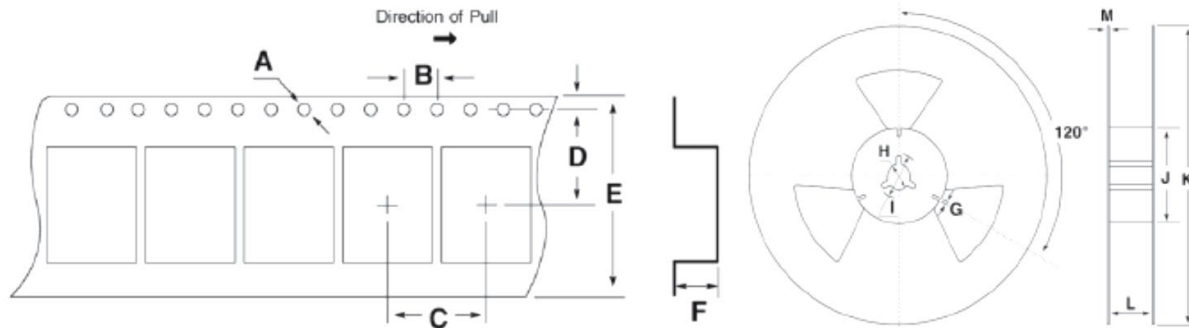
FO6HS

(Former F4200)

6mm x 3.5mm
HCMOS SMD Oscillator



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	8.0	5.5	12	1.9	-T2 = 2,000 -T1 = 1,000	2.0	ø13	ø21	ø80	ø255	13.5	2.0



Available Options & Part Identification*

Sample PN: **FO6HSCBE25.0-T2**

F	O6HS	C	B	E	25.0	-T2
Fox	Model Number	Voltage B = 3.3V±5%	Stability A = 100 PPM B = 50 PPM D = 25 PPM E = 20 PPM	Operating Temperature E = -10 to +70°C M = -40 to +85°C	Frequency (MHz)	Values Added Options Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs

* Not all frequencies in the frequency range, or every combination of stability, temp range, and voltage available.
 See stabilities and op temps for each V_{DD}.

Reliability Test Conditions

Please contact Abracon Quality Assurance department