TIGHT STABILITY INDUSTRIAL GRADE CRYSTAL OSCILLATOR

5.0 x 3.2 x 1.2mm

ASFLT SERIES

Pb RoHS Compliant

FEATURES:

- Highly reliable seam-sealed package
- Low current consumption
- Low phase noise and jitter
- Industrial grade tight temperature stability (±5.0ppm / -40 to +85˚C)
- Fast start-up time
- CMOS output with Tri-state function

APPLICATIONS:

- Home networking by AC socket
- Wireless LAN
- Mobile communications
- PLC modem
- WiMax

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ASFLT Series
Frequency:	4.000MHz to 54.000MHz
Standard Frequencies:	5, 10, 12, 16, 20, 24, 32, 40, 44MHz
Output level:	CMOS
Operating temperature:	- 40°C to +85°C
Storage temperature:	- 40°C to + 85°C
Frequency Stability:	±10ppm (see option)
Frequency Stability vs. Vdd:	±0.5ppm
Supply voltage (Vdd):	3.0Vdc ± 10% (see option)
Supply Current (Idd):	7mA max. / 10 µA max. (Standby)
Symmetry:	45/55 % @ 50% Vdd
Rise and Fall Times(Tr/Tf):	5ns max. / 10%Vdd-90%Vdd
Output load:	15pF
Output Voltage:	VOH = 0.9*Vdd min.
	VOL = 0.1*Vdd max.
Tri State Function:	#1: NC OR "H" → Output enable
	#1: "L" → Output disable (Hi-Z)
Start-up-time:	0.2ms typ.
Aging per year:	±5 ppm @25°C
Fast enable time:	0.1ms typ.
Phase Noise (@ 10kHz offset):	-143dBc/Hz Typ.
Jitter:	1σ 3ps typ.

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ASFLT - □ - Frequency - □□ - □

P/N and Vdd (V)		Frequency	Freq. Stability		Packaging	
Blank	3.0±10%	XX.XXXX MHz	Blank	±10 ppm	Blank	Bulk
A	2.5±10%		R7	±7 ppm	T	Tape and Reel
B	3.3±10%		R5	±5 ppm		
C	2.8±10%					

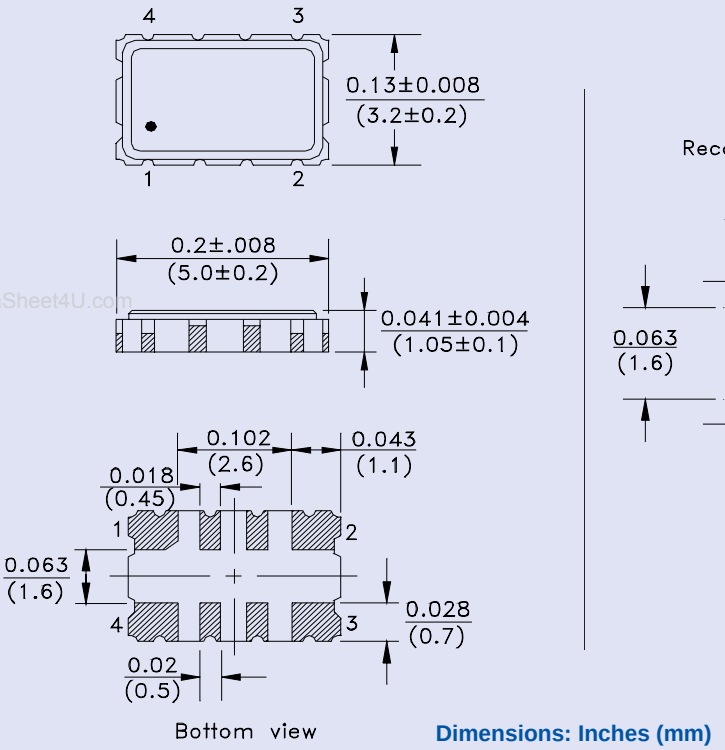
TIGHT STABILITY INDUSTRIAL GRADE CRYSTAL OSCILLATOR

ASFLT SERIES

5.0 x 3.2 x 1.2mm

Pb RoHS Compliant

OUTLINE DRAWING:

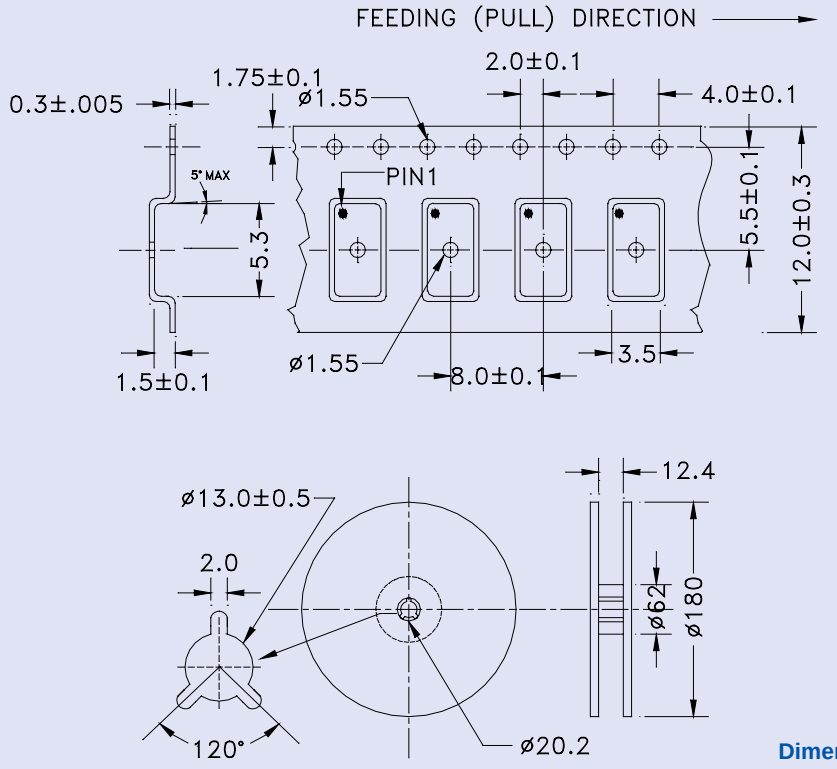


Dimensions: Inches (mm)

Note: It is recommended to use an approximately 0.01uF bypass capacitor between PIN 2 and 4.

PIN	FUNCTION
1	CE
2	GND
3	Output
4	VDD

TAPE & REEL:



Dimensions: mm