

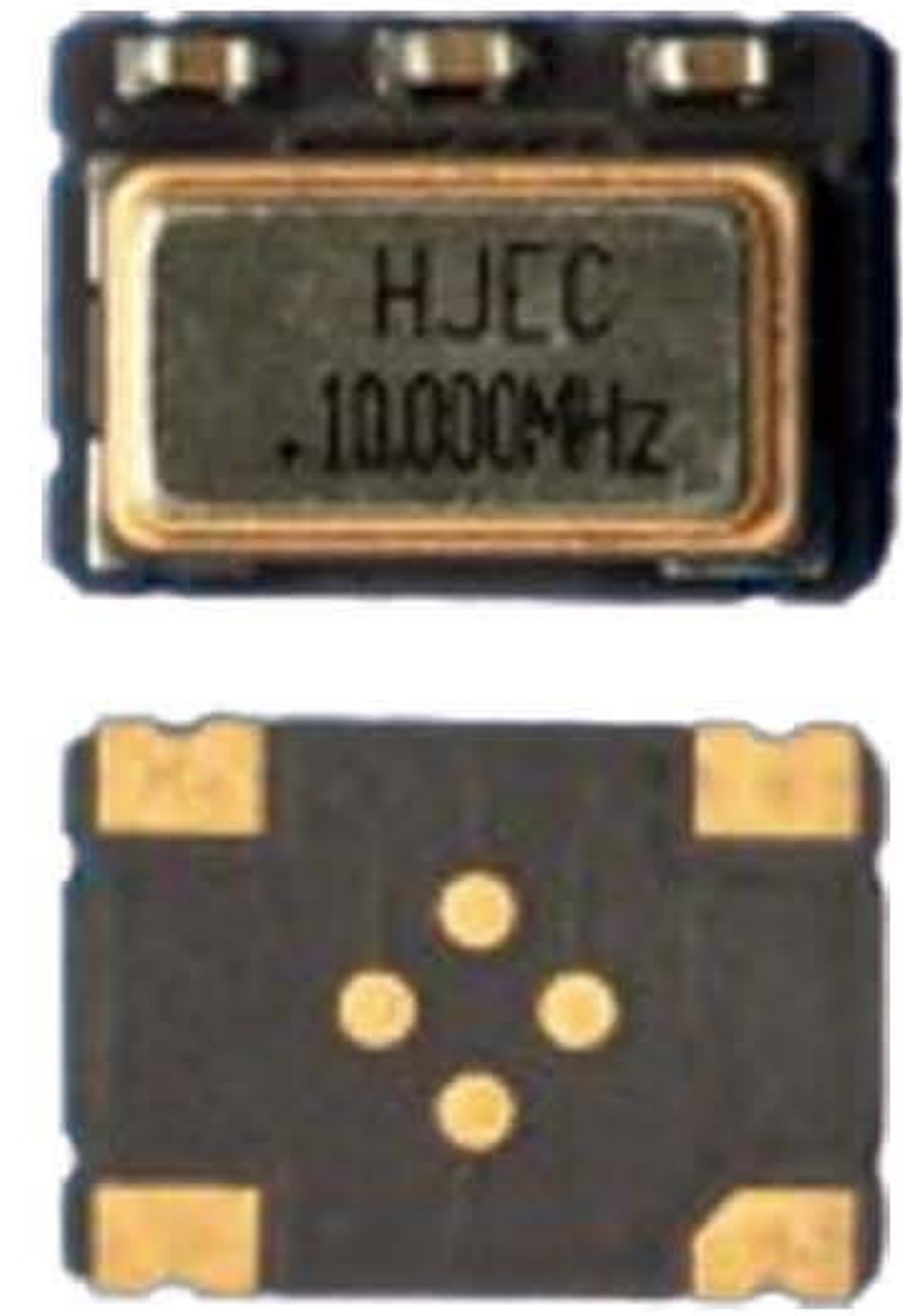
# TC5032

## Features

- Low Jitter  $\pm 10 \times 10^{-6}$
- Frequency Stability  $\pm 0.5 \times 10^{-6}$
- Compact size
- Dribbling packaging
- Environmentally friendly product

## Application

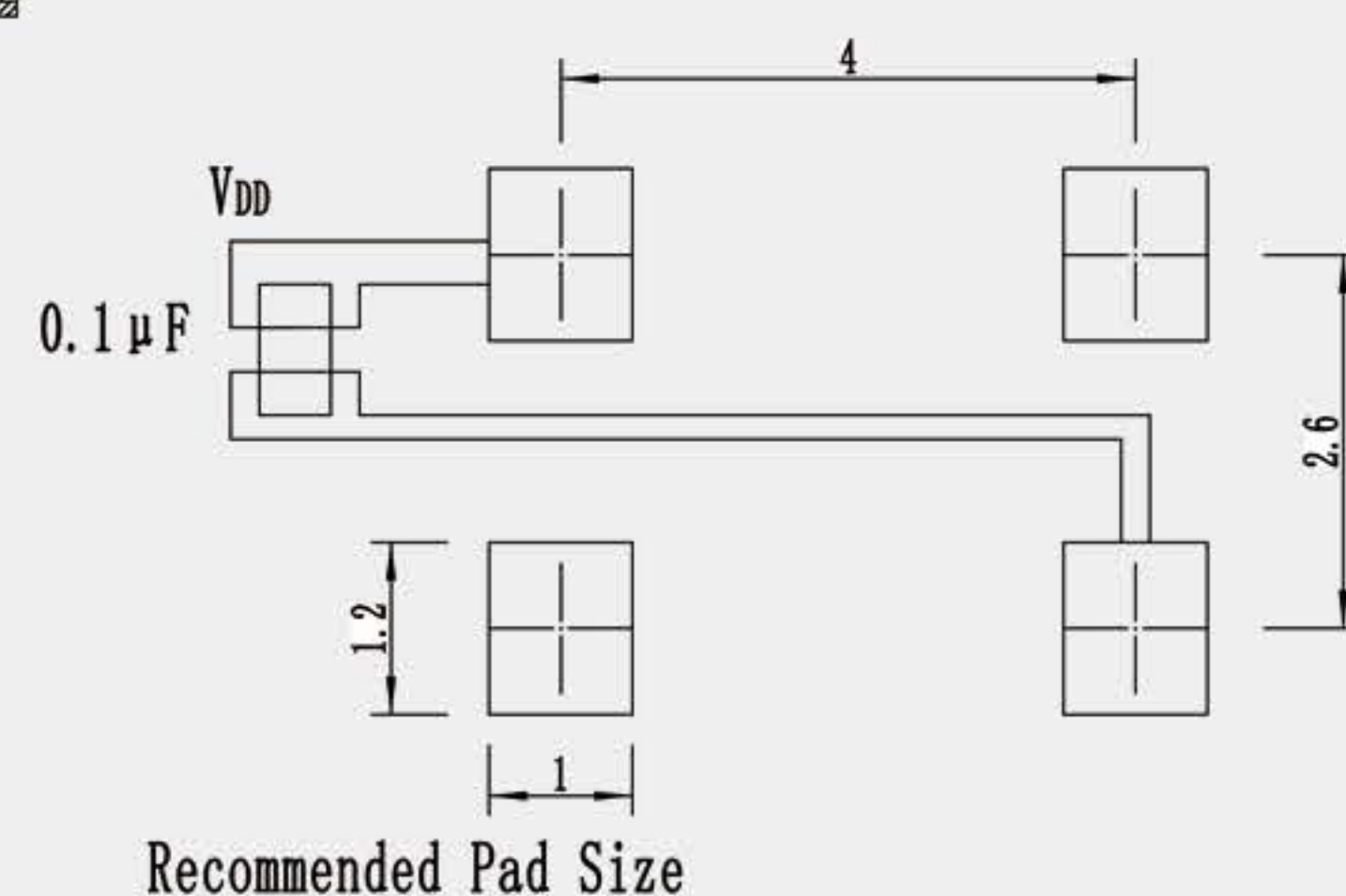
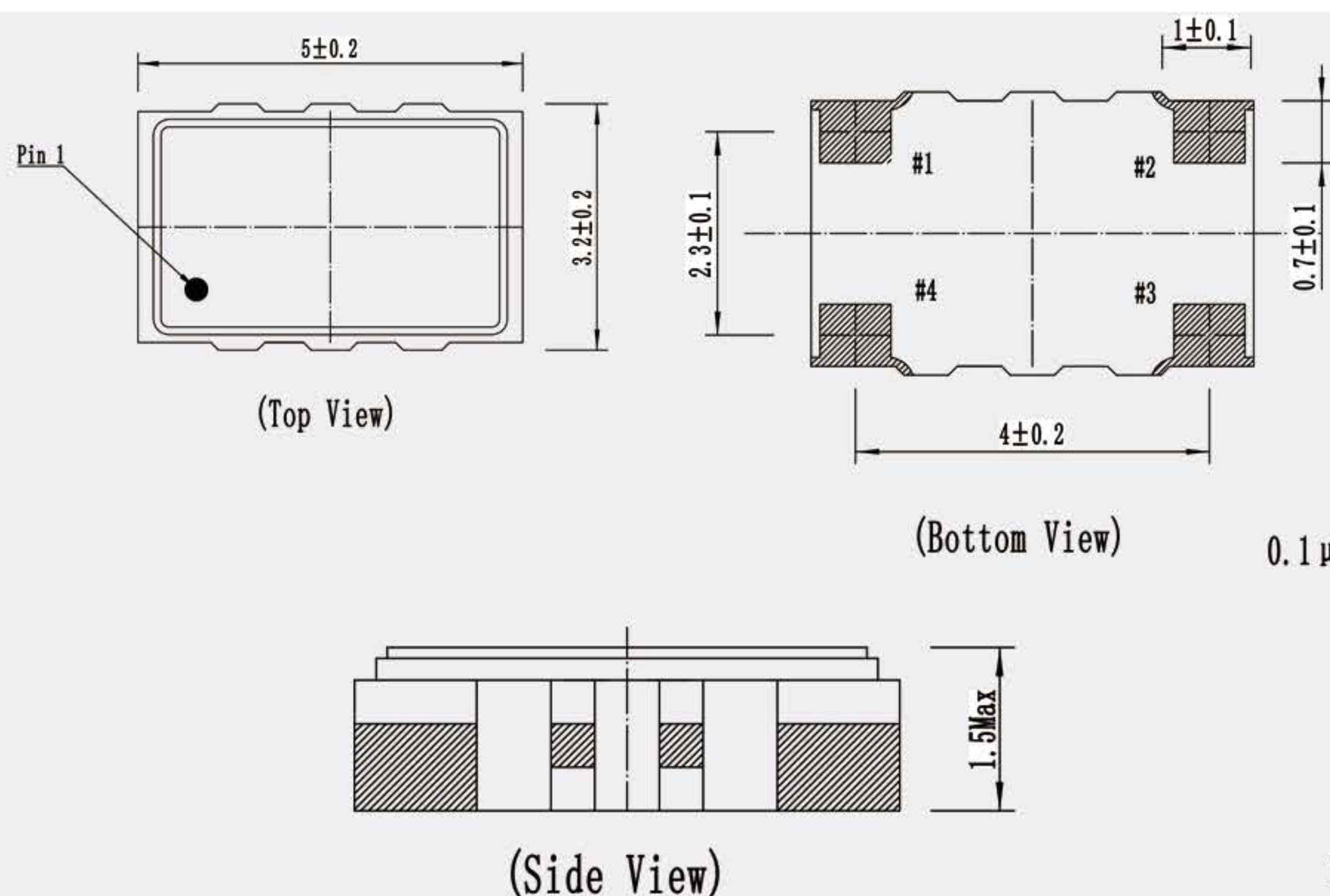
- Military Radio
- PCS Base Station
- Measuring equipment



## Electrical Specification

Model		Condition	TC5032		
Frequency Range			10.000MHz~50.000MHz		
Nominal Frequency (MHz)			10 12.8 13 19.2 20 26 25		
Frequency Tolerance		At 25°C	$\leq \pm 2.0$ ppm		
Supply Voltage (V)			A:+3.3 VDC $\pm 10\%$ B:+5.0VDC $\pm 10\%$		
Supply Current (mA)		10M $\leq$ F0 < 15M	1.5mA Max.	5.0mA Max.	
		15M $\leq$ F0 < 26M	2.0mA Max.	6.0mA Max.	
		26M $\leq$ F0 $\leq$ 50M	2.5mA Max.	8.0mA Max.	
Output Waveform			H: Peak clipping sine	CMOS	
Output Load			10K $\Omega$ // 10pF $\pm 10\%$	15pF	
Output Level	"0"		0.8V (P-P) Min.	10% Supply voltage	
	"1"			90% Supply voltage	
Low Jitter					
Phase noise		Below 10MHz	100Hz	1KHz	10KHz
			-115dBc/Hz	-135dBc/Hz	-148dBc/Hz
Frequency Stability relative to	Working voltage	$\pm 5\%$	$\pm 0.2 \times 10^{-6}$ Max.		
	Load	$\pm 10\%$	$\pm 0.2 \times 10^{-6}$ Max.		
	Frequency Aging		$\pm 1 \times 10^{-6}$ /Year Max.		
VcInput Impedance			1.0M $\Omega$ .		
Start-Up Time			2mS Max.		
Storage Temperature			-55° C ~ +125° C		

## Drawing



Pin	Functionality
#1	Pressure control end for pressure control and temperature compensation Grounding for temperature compensation
#2	Ground
#3	Output
#4	Power