

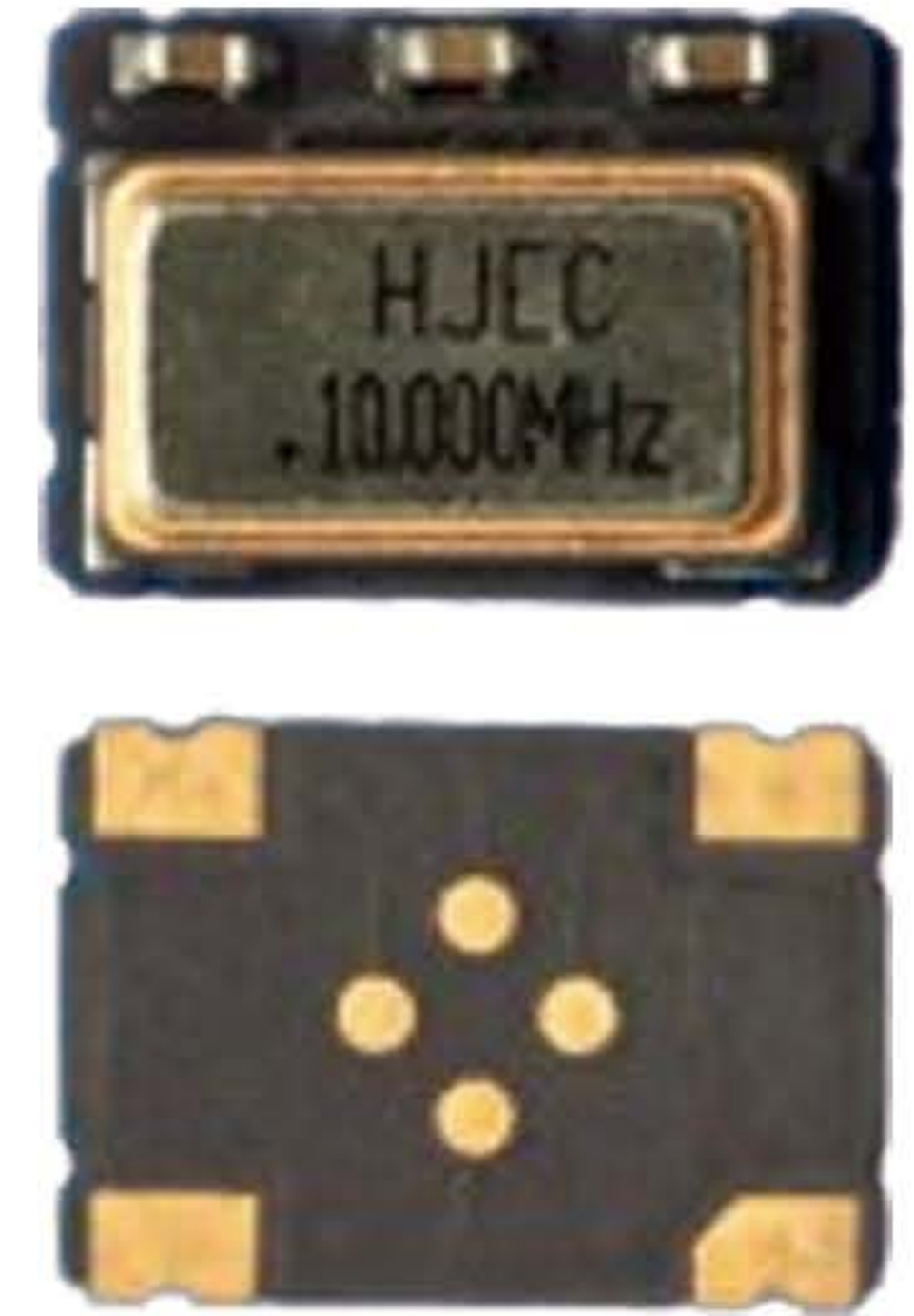
TC3225

Features

- Low Jitter $\pm 5 \times 10^{-6}$
- Frequency Stability $\pm 0.5 \times 10^{-6}$
- Compact size
- Dribbling packaging
- Environmentally friendly product

Application

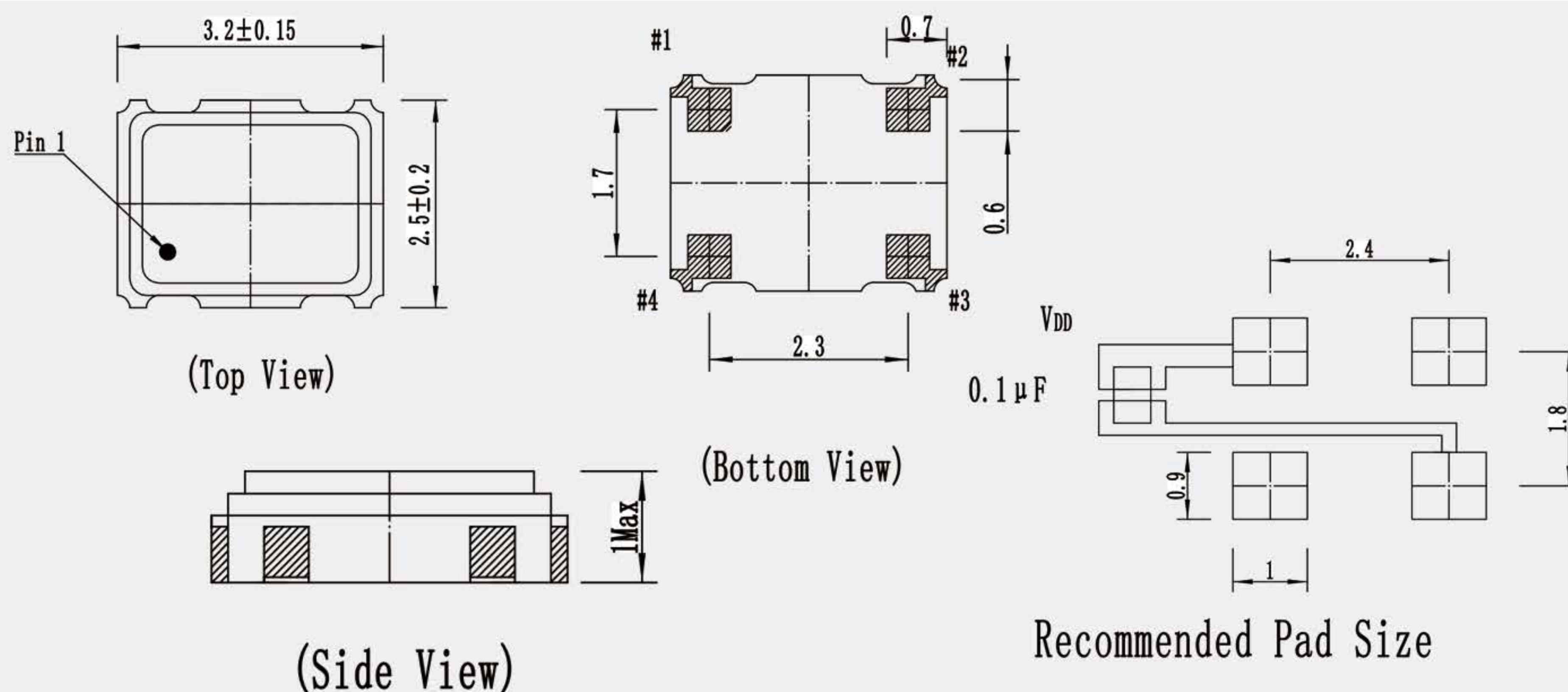
- Military Radio
- PCS Base Station
- Measuring equipment
- GPS Equipment



Electrical Specification

Model		Condition	TC3225		
Frequency Range			10.000MHz~50.000MHz		
Nominal Frequency (MHz)			10 13 19.2 19.68 26		
Frequency Tolerance		At 25°C	$\leq \pm 2.0$ ppm		
Supply Voltage (V)			A:+3.3 VDC $\pm 10\%$ D:+2.5VDC $\pm 10\%$ E:+1.8 VDC $\pm 10\%$ D:+2.8VDC $\pm 10\%$		
Supply Current (mA)		$10M \leq F_0 < 15M$	1.5mA Max.		
		$15M \leq F_0 < 26M$	2.0mA Max.		
		$26M \leq F_0 \leq 50M$	2.5mA 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 Ω .		
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