

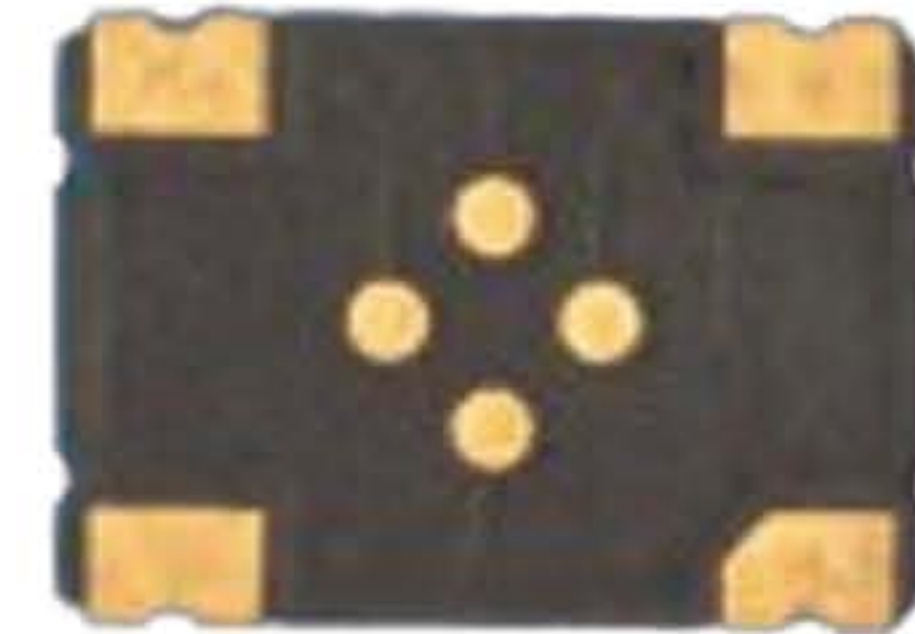
TC7050

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
- Automotive electronic
- Measuring equipment



Electrical Specification

Model		Condition	TC7050	
Frequency Range			32.768KHz~125.000MHz	
Nominal Frequency (MHz)			10 12.8 13 19.2 20 26 40 50	
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)		$10M \leq F_0 < 15M$	1.5mA Max.	5.0mA Max.
		$15M \leq F_0 < 26M$	2.0mA Max.	6.0mA Max.
		$26M \leq F_0 \leq 50M$	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		10MHz		
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			$-55^\circ C \sim +125^\circ C$	

Drawing

