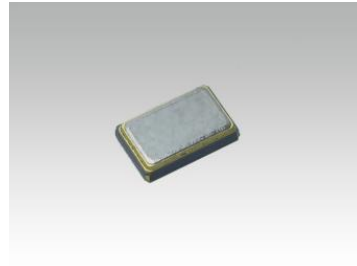




Features:

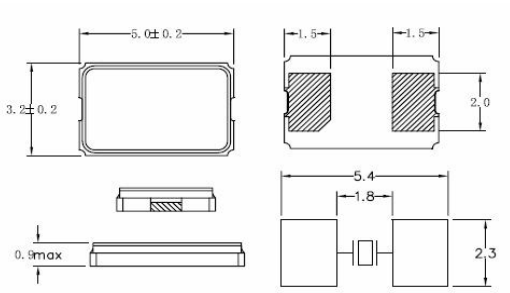
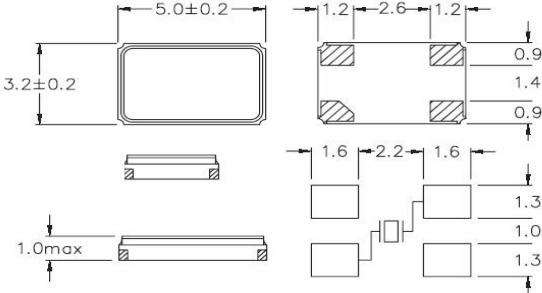
- SMD
- High reliability
- Application: Bluetooth, wireless LAN
- Ultra-thin and small leadless type



HC5032/2
HC5032/4

Specifications			
	Symbol	HC5032	Remarks
Frequency range	f	8.000MHz ~ 50.000MHz	Fundamental mode
		50.000MHz ~ 125.000 MHz	3rd. OT
Frequency tolerance, Ta=25°C	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 50\text{ppm}$	Please specify
Load capacitance	C_L	10pF ~ 32pF	Please specify
Temperature tolerance	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 50\text{ppm}$	Please specify
Temperature range	Storage temperature	T_{STG}	-40°C ~ +85°C
	Operating temperature	T_{OPR}	-20°C ~ +70°C
Drive level	Maximum drive level	M_{DL}	500μW
	Recommended drive level	R_{DL}	10μW ~ 100μW
Series resistance	R_1	As per table	25°C $\pm 3^\circ\text{C}$
Shunt capacitance	C_0	7pF	Max
Insulation resistance	I_R	500M Ohm	Max
Aging	Δf_A	$\pm 3\text{ppm/Year max}$	Others are offered

Resistance of series resonance (ESR)					
Frequency (MHz)	Mode	Ohm max	Frequency (MHz)	Mode	Ohm max
8 ≤ f < 10	Fundamental	100	25 ≤ f < 30	Fundamental	40
10 ≤ f < 12	Fundamental	90	30 ≤ f < 50	Fundamental	35
12 ≤ f < 16	Fundamental	60	50 ≤ f < 125	3rd OT	100
16 ≤ f < 25	Fundamental	50			

Drawing	
HC5032/2	HC5032/4
	
Dimensions in mm	

Order key								
Q	- 40.000000M	- HC5032/2	- F	- 50	- 50	- D	- 30	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC5032/2 HC5032/4	F=fund. 3=3.OT	±ppm (25°C)	±ppm (Temp. range)	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C E= -40°C ~ +85°C H= -20°C ~ +80°C I= -10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options
		/2 = 2 pads /4 = 4 pads						