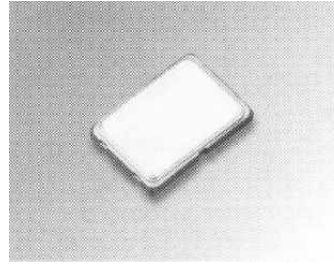


Features:

- SMD ceramic enclosures
- High reliability seam welded seal
- Frequency up to 125 MHz
- Ultra thin profile



HC7050/2
HC7050/4

Specifications				
		Symbol	HC7050	Remarks
Frequency range		f	6.000MHz ~ 30.000MHz	Fundamental mode
			30.000MHz ~ 125.000MHz	Overtone mode
Frequency tolerance, Ta=25°C		f/f	± 10ppm ~ ± 50ppm	Others are offered
Load capacitance		C _L	10pF ~ 32pF	Please specify
Temperature tolerance		f/f	± 10ppm ~ ± 50ppm	Others are offered
Temperature range	Storage temperature	T _{STG}	-55°C ~ +125°C	
	Operating temperature	T _{OPR}	-20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M _{DL}	500 W	
	Recommended drive level	R _{DL}	10 W ~ 100 W	
Series resistance		R ₁	As per table	25°C
Shunt capacitance		C ₀	7pF	Max
Insulation resistance		I _R	500M Ohm	
Aging		f _A	± 5ppm/Year max	Others are offered

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
6 ≤ f < 8	Fundamental	100		30 ≤ f < 40	Fundamental	80
8 ≤ f < 16	Fundamental	60		40 ≤ f < 125	3rd OT / 5th OT	100
16 ≤ f < 30	Fundamental	40				

Drawing	
HC7050/2	HC7050/4
Dimensions in mm	

Order key								
Q	- 30.000000M	- HC7050/2	- F	- 30	- 50	- D	- 30	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC7050/2 HC7050/4	F=fund.	+/-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						