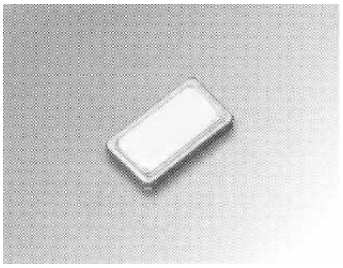


HC6035/2
HC6035/4

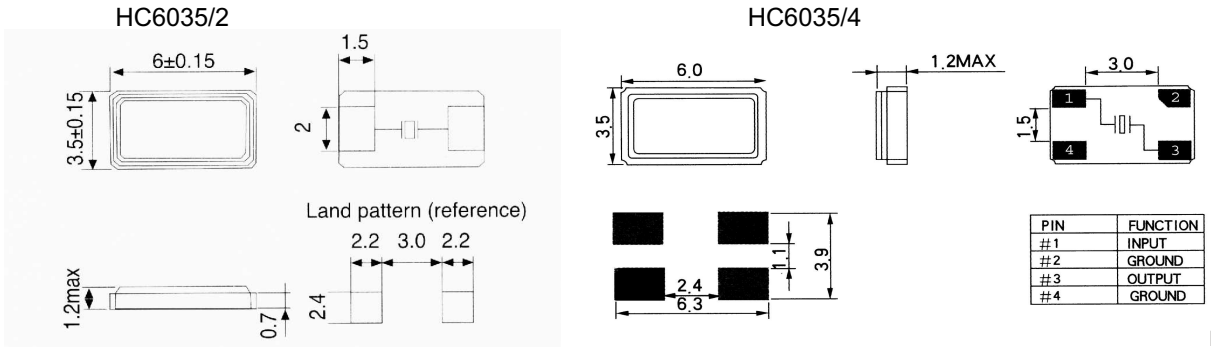
Features:

- SMD ceramic enclosures
- High reliability seam welded seal
- Frequency up to 120 MHz
- Ultra thin profile

Specifications					
		Symbol	*HC6035*	*Remarks*
Frequency range		f	8.000MHz ~ 30.000MHz	Fundamental mode
			30.000MHz ~ 120.000MHz	Overtone mode
Frequency tolerance,Ta=25°C		f/f	± 10ppm ~ ± 50ppm	Please specify
Load capacitance		C_L	10pF ~ 32pF	Please specify
Temperature tolerance		f/f	± 10ppm ~ ± 50ppm	Please specify
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*
8 <= f < 10	Fundamental	100		30 <= f < 48	Fundamental	35
10 <= f < 16	Fundamental	80		30 <= f < 40	3rd OT	40
16 <= f < 30	Fundamental	50		40 <= f < 120	3rd / 5th OT	120

Drawing



Dimensions in mm

Order key

Q	- 40.000000M	- HC6035/2	- 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	HC6035/2 HC6035/4 /2 = 2 pads /4 = 4 pads	F=fund. 3=3.OT 5=5.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 F=-40°C ~ 105°C H=-20°C ~ +80°C I=-10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options

Remarks: All specifications subject to change without notice!