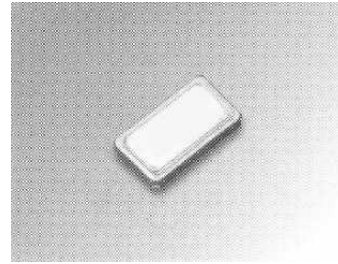


## Quartz SMD, Ceramic

### Features:

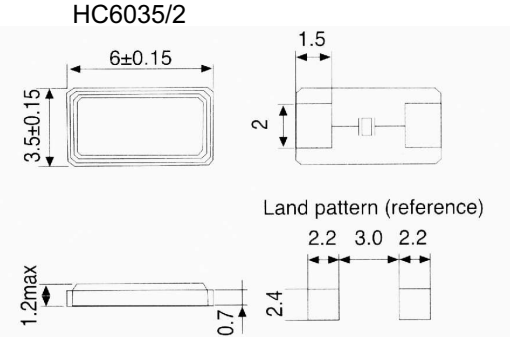
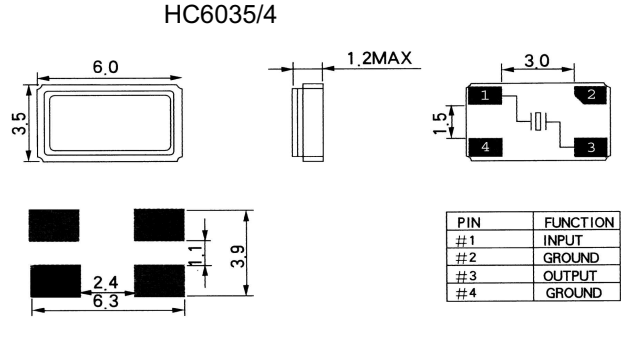
- SMD ceramic enclosures
- High reliability seam welded seal
- Frequency up to 120 MHz
- Ultra thin profile



**HC6035/2**  
**HC6035/4**

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 <sub>L</sub>	10pF ~ 32pF	Please specify
Temperature tolerance		f/f	± 10ppm ~ ± 50ppm	Please specify
Temperature range	Storage temperature	T <sub>STG</sub>	-55°C ~ +125°C	
	Operating temperature	T <sub>OPR</sub>	-20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M <sub>DL</sub>	500 W	
	Recommended drive level	R <sub>DL</sub>	10 W ~ 100 W	
Series resistance		R <sub>1</sub>	As per table	25°C
Shunt capacitance		C <sub>0</sub>	7pF	Max
Insulation resistance		I <sub>R</sub>	500M Ohm	
Aging		f <sub>A</sub>	± 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											
<p><b>HC6035/2</b></p> 	<p><b>HC6035/4</b></p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>PIN</th> <th>FUNCTION</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>INPUT</td> </tr> <tr> <td>#2</td> <td>GROUND</td> </tr> <tr> <td>#3</td> <td>OUTPUT</td> </tr> <tr> <td>#4</td> <td>GROUND</td> </tr> </tbody> </table>	PIN	FUNCTION	#1	INPUT	#2	GROUND	#3	OUTPUT	#4	GROUND
PIN	FUNCTION										
#1	INPUT										
#2	GROUND										
#3	OUTPUT										
#4	GROUND										
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	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
		/2 = 2 pads /4 = 4 pads						

Remarks: All specifications subject to change without notice!