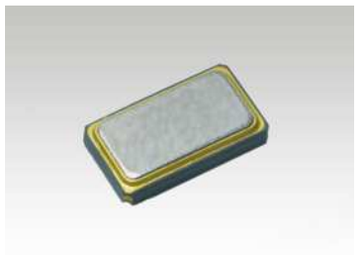
RoHS 2002/95/EC



HC6035/2
HC6035/4

Features:

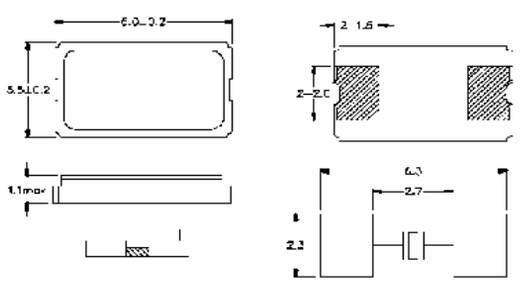
- SMD ceramic enclosures
- High reliability seam welded seal
- Frequency up to 125 MHz
- Ultra thin profile

Specifications				
		Symbol	*HC6035*	*Remarks*
Frequency range		f	8.000MHz ~ 50.000MHz	Fundamental mode
			40.000MHz ~ 125.000MHz	Overtone mode
Frequency tolerance,Ta=25°C		Δf/f	±10ppm ~ ±50ppm	Please specify
Load capacitance		C_L	10pF ~ 32pF	Please specify
Temperature tolerance		Δf/f	±10ppm ~ ±50ppm	Please specify
Temperature range	Storage temperature	T_{STG}	-40°C ~ +85°C	
	Operating temperature	T_{OPR}	-20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M_{DL}	500µW	
	Recommended drive level	R_{DL}	10µW ~ 100µW	
Series resistance		R_1	As per table	25°C ±3°C
Shunt capacitance		C_0	7pF	Max
Insulation resistance		I_R	500M Ohm	Min
Aging		Δf_A	±5ppm/Year max	Others are offered

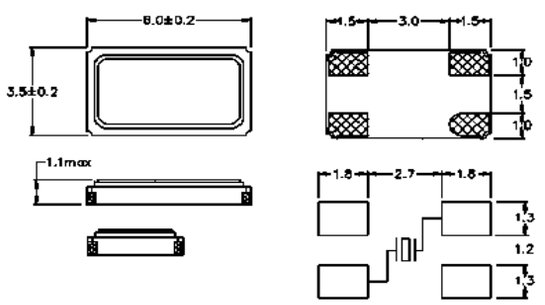
Resistance of series resonance (ESR)						
Frequency (MHz)	*Mode*	*Ohm max*		*Frequency (MHz)*	*Mode*	*Ohm max*
8 < f <= 12	Fundamental	80		25 < f <= 30	Fundamental	35
12 < f <= 16	Fundamental	60		30 < f <= 50	Fundamental	25
16 < f <= 25	Fundamental	50		40 < f <= 125	3rd OT	100

Drawing

HC6035/2



HC6035/4



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	±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