



Surface Mount Crystals

---Type: RA-6035

SPECIFICATIONS:

Frequency Range	9.600~80.000MHz
Operating Mode	9.600~40.000MHz Fundamental
	40.000~80.000MHz 3 rd Overtone
Operating Temp. Range	-10℃~+60℃ (Standard)
Storage Temperature	-40℃~+85℃
Frequency Tolerance @ 25℃	±50ppm (Standard)
Frequency Stability Over Temp.	±50ppm (Standard)
Shunt Capacitance	7pF
Load Capacitance	6~32pF, Series (30pF Standard)
Insulation Resistance	500MΩ(Min at DC 100V)
Drive Level	10 μ W~500 μ W (0.1mW Standard)
Aging @ 25℃	±1ppm/year

ESR CHART (max):

Frequency Range (MHz)	ESR (Ω)	Frequency Range (MHz)	ESR (Ω)
9.600~10.999	100Ω	16.000~18.999	50Ω
11.000~11.999	80Ω	19.000~39.999	40Ω
12.000~15.999	60Ω	40.000~80.000	70Ω

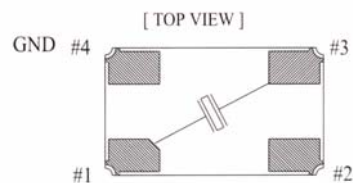
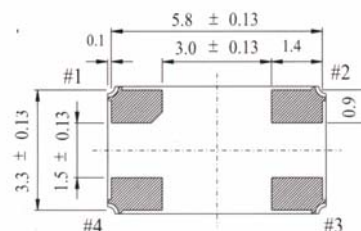
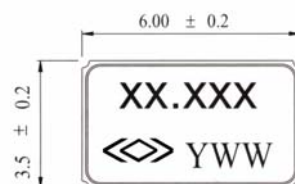
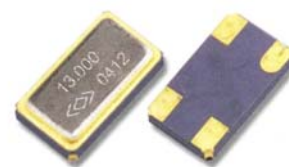
Temperature Range and Stability

	±5ppm	±10ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
A0= 0~+50	○	○	○	○	○	○
A1= -10~+60	—	○	○	○	○	○
A2=-20~+70	—	○	○	○	○	○
A3=-30~+75	—	—	—	○	○	○
A4=-40~+85	—	—	—	○	○	○

ORDER OPTIONS:

Type	Freq. (MHz)	Load Cap. (pF)	Freq. Tolerance (ppm)	Freq. Stability (ppm)	Operating Temp. (℃)	Operating Mode	Package
RA-6035	9.600 ~ 80.000	C6~50 S=Series	±5	±5	A0 = 0~+50	F = Fundamental 3R = 3 rd Overtone	T= tape&reel
			±10	±10	A1 = -10~+60		
			±15	±15	A2 = -20~+70		
			±20	±20	A3 = -30~+75		
			±30	±30	A4 = -40~+85		
			±50	±50			

i.e. : RA-6035-24.000C18-30/30-A1 -F-T



Marking #4 and #2 are connected with metal cap of top

UNIT:mm