



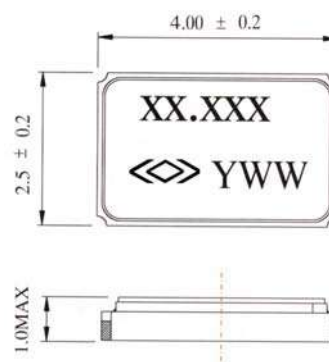
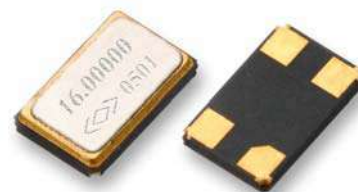
Surface Mount Crystals

--- Type: RA-4025

- 4.0×2.5×1.0mm ultra thin SMD package
- Au-Sn seal with vacuum
- For blue tooth and GSM mobile phone

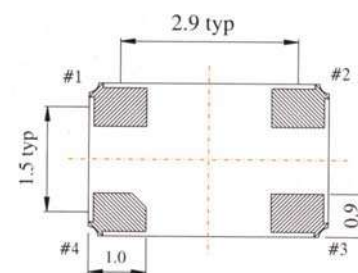
SPECIFICATIONS:

Frequency Range	13~50MHz
Operating Temp. Range	-10℃~60℃ (Standard)
Storage Temperature	-40℃~+85℃
Frequency Tolerance @ 25℃	±50ppm (Standard)
Frequency Stability Over Temp.	±50ppm (Standard)
Shunt Capacitance	3pF
Load Capacitance	6~32pF, Series (30pF Standard)
Drive Level	10 μ W~100 μ W (10 μ W Standard)
Aging @ 25℃	±1ppm/year



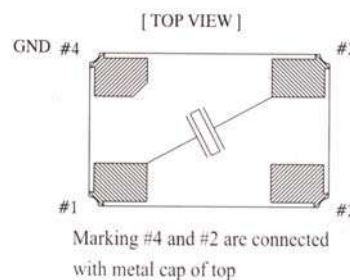
ESR CHART (max):

Nominal Frequency	ESR
13 MHz	80Ω
16 MHz	80Ω
26 MHz	50Ω
32 MHz	50Ω
50 MHz	50Ω



Temperature Range and Stability

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



UNIT:mm

ORDER OPTIONS:

Type	Freq. (MHz)	Load Cap. (pF)	Freq. Tolerance (ppm)	Freq. Stability (ppm)	Operating Temp. (℃)	Operating Mode	Package
RA-4025	13 ~ 50	C6~32 S=Series	±10 ±15 ±20 ±30 ±50	±10 ±15 ±20 ±30 ±50	A0 = 0~+50 A1 = -10~+60 A2 = -20~+70 A3 = -30~+75 A4 = -40~+85	F = Fundamental 3R = 3 rd Overtone	T= tape&reel

i.e.: RA-4025- 24.000C18-30/30-A1 -F-T