

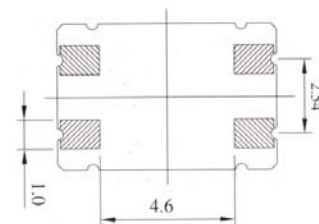
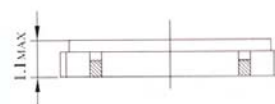
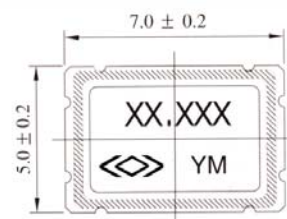


Surface Mount Crystals

--- Type: RA-7050

SPECIFICATIONS:

Frequency Range	6~70MHz
Operating Mode	6~45MHz Fundamental
	28~70MHz 3rd Overtone
Operating Temp. Range	-10°C~60°C (Standard)
Storage Temperature	-40°C~+85°C
Frequency Tolerance @ 25°C	±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)
Aging @ 25°C	±5ppm/year



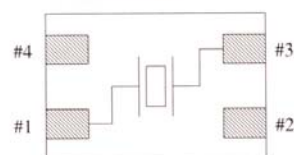
ESR CHART (max):

Frequency Range (MHz)	ESR (Ω)	Frequency Range (MHz)	ESR (Ω)
6~11	110Ω	20~32	25Ω
11~14	50Ω	32~48	110Ω
14~18	45Ω	48~70	100Ω
18~20	30Ω	28~70	40Ω(BT)

Temperature Range and Stability

	±10ppm	±15 ppm	±20 ppm	±30 ppm	±50 ppm
A0=0~+55	○	○	○	○	○
A1=-10~+60	○	○	○	○	○
A2=-20~+70	—	○	○	○	○
A3=-30~+75	—	—	○	○	○
A4=-40~+85	—	—	○	○	○

TOP VIEW



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

ORDER OPTIONS:

Type	Freq. (MHz)	Load Cap. (pF)	Freq. Tolerance (ppm)	Freq. Stability (ppm)	Operating Temp. (°C)	Operating Mode	Package
RA-7050	6 ~ 70	C6~32 S=Series	±10	±10	A0 = 0~+50	F = Fundamental 3R = 3 rd Overtone	T= tape&reel
			±15	±15	A1=-10~+60		
			±20	±20	A2 = -20~+70		
			±30	±30	A3=-30~+75		
			±50	±50	A4=-40~+85		

i.e. : RA-7050-24.000C18-30/30-A2 -F