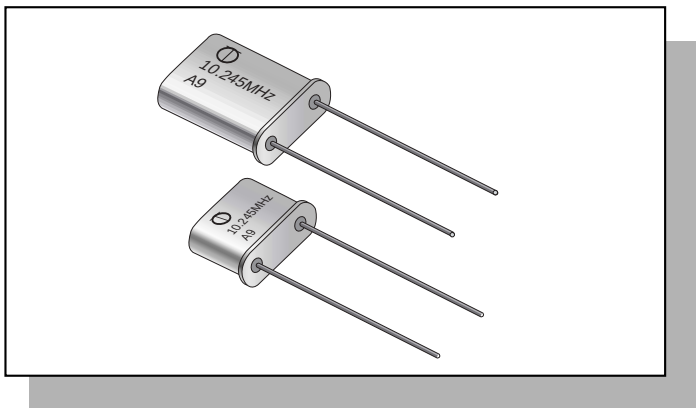
CYLINDER TYPE HIGH FREQUENCY



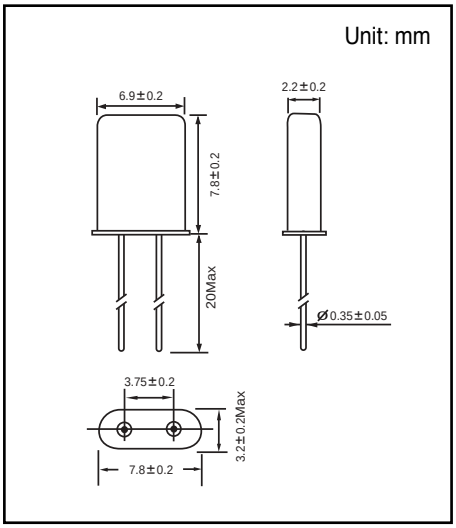
■ ELECTRICAL SPECIFICATIONS

Frequency Range	6-40 MHz	30-100 MHz	80-155 MHz	120-200 MHz
Mode of Vibration	Fundamental	3rd Overtone	5th Overtone	7th Overtone
Resonance Resistance (Ω)	60 Max	60 Max	80 Max	120 Max
Frequency Tolerance at 25˚C	±5 ppm ~ ±15 ppm			
Shunt Capacitance	7pF Max			
Load Capacitance	6 ~ 100 pF or Series			
Insulation Resistance	> 500M ΩDC/ 100V ±10V			
Drive Level	0.01 mWatts ~ 2 mWatts, 0.1 mWatts typically			
Aging	±3 ppm ~ ± 5 ppm/year			

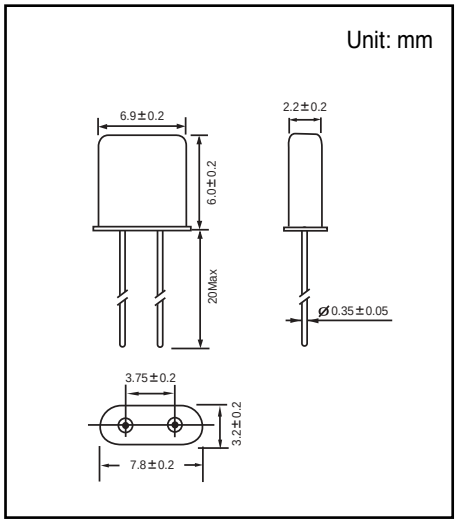
■ FREQUENCY STABILITY OVER TEMPERATURE RANGE

Temperature Range	Frequency Stability						
	± 3 ppm	± 5 ppm	± 10 ppm	± 15 ppm	± 20 ppm	± 30 ppm	± 50 ppm
0˚C ~ 50 ˚C	●	●	●	●	●	●	●
-10˚C ~ +60˚C	●	●	●	●	●	●	●
-20˚C ~ +70˚C		●	●	●	●	●	●
-40˚C ~ +85˚C				●	●	●	●

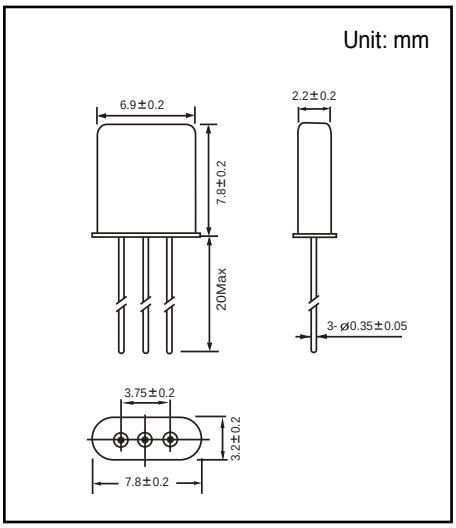
UM1



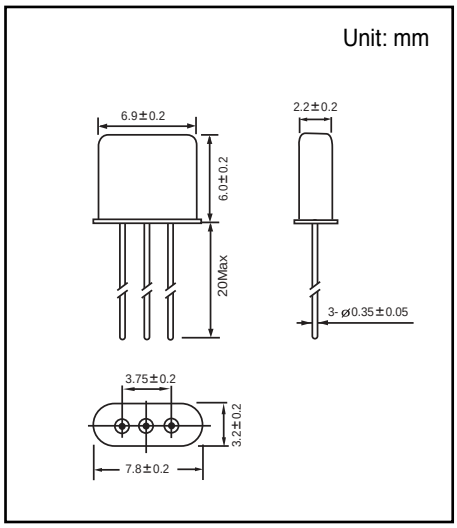
UM5



UM1-3



UM5-3



UM1-SMD-CLIP