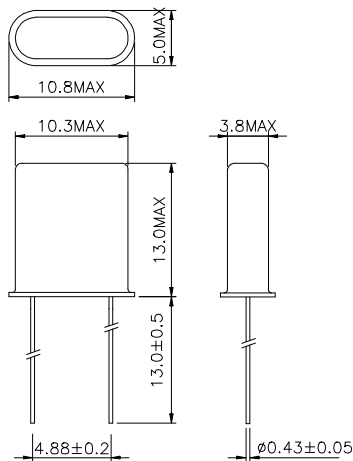


### MECHANICAL DIMENSIONS



### ELECTRICAL SPECIFICATION

Frequency Range	1.8432MHz to 200.000MHz (300KHz to 1.1MHz Optional)
Load Capacitance(CL)	See Table1 (Standard 18pF)
Oscillation Mode	See Table2
Frequency Tolerance at 25°C(RT)	±10.0ppm to ±50.0ppm See Table3 (Standard ±50.0ppm)
Frequency Stability over Operating temperature range(TC)	±3.0ppm to ±100.0ppm See Table4 (Standard ±50.0ppm)
Temperature Range Operating(TR) Storage	See Table 5 (Standard 0 to +70°C) Standard -40°C to 85°C
Drive Level(DL)	0.01mW to 2.0mW
Shunt Capacitance(C0)	7.0pF max
Aging	±3.0ppm to ±5.0ppm per year max
Insulation Resistance(IR)	500MΩ min at 100Vdc

Frequency Range(MHz)	ESR(Ω max)	Mode
1.8432~4.999	700~100	AT FUND
5.000~40.000	80~20	AT FUND
20.000~40.000	40	BT FUND
23.000~100.000	40~60	3rd O/T
60.000~150.000	80	5th O/T
120.000~200.000	100	7th O/T

Table1		Table2		Table3		Table4		Table5	
Load Capacitance		Oscillation Mode		Frequency Tolerance		Frequency Stability		Operating Temp. Range	
Symbol	CL(pF)	Symbol	Mode	Symbol	RT(ppm)	Symbol	TC(ppm)	Symbol	TR(°C)
S	Series	1	AT-FUND	A	±5	A	±5	A	0~+50
XX	XX pF	2	BT-FUND	B	±10	B	±10	B	0~+70
		3	3rd O/T	C	±15	C	±15	C	-10~+60
		4	5th O/T	D	±20	D	±20	D	-20~+70
		5	7th O/T	E	±30	E	±30	E	-30~+80
				F	±50	F	±50	F	-40~+85
				XX	±XX	G	±100		
						XX	±XX		