

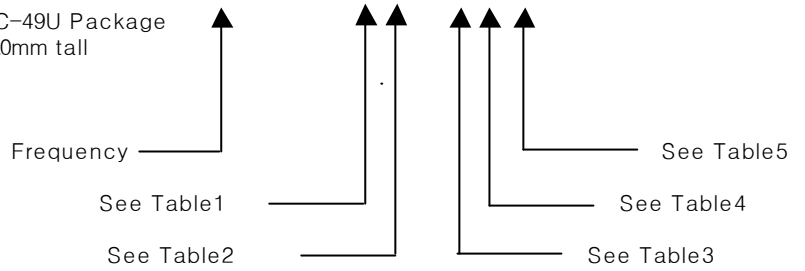
X-TAL

PXD1 : HC-49U
DIP PACKAGE

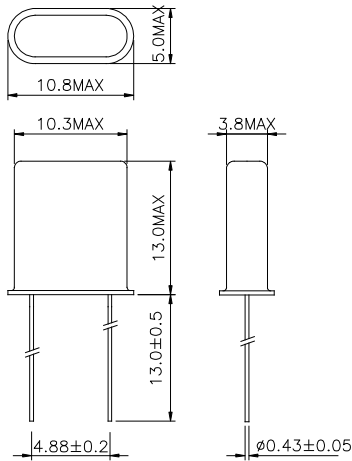
* PART NUMBERING GUIDE

P X D 1 - 2 7 M 0 0 0 - S 1 - F F B

D1 : HC-49U Package
13.0mm tall



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		