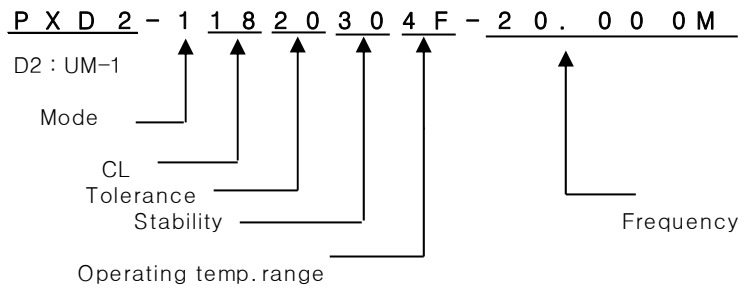


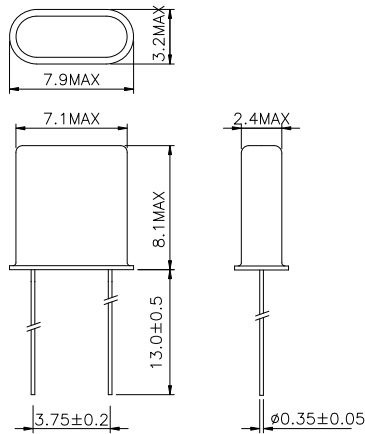
X-TAL

PXD2 : UM-1
DIP PACKAGE

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS



ELECTRICAL SPECIFICATION

Frequency Range	6.000MHz to 200.000MHz
Load Capacitance(CL)	See Table1
Oscillation Mode	1 : Fundamental 3 : 3 rd . overtone
Frequency Tolerance at 25°C(RT)	±5.0ppm to ±50.0ppm (Standard ±50.0ppm) See Table2
Frequency Stability over Operating temperature range(TC)	±3.0ppm to ±50.0ppm (Standard ±50.0ppm) See Table3
Temperature Range Operating(TR) Storage	See Table 4 -40°C to 85°C(Standard)
Drive Level(DL)	0.01mW to 1.0mW
Shunt Capacitance(C0)	7.0pF max
Aging	±3.0ppm per year max
Insulation Resistance(IR)	500MΩ min at 100Vdc

Frequency Range(MHz)	ESR(Ω max)	Mode
6.000~9.999	80	AT FUND
10.000~15.999	60	AT FUND
16.000~60.000	40	AT FUND
38.880~100.000	60	3rd O/T
100.000~200.000	30	3rd O/T

Table1		Table2		Table3		Table4			
Load Capacitance		Frequency Tolerance		Frequency Stability		Operating Temp. Range			
Symbol	CL(pF)	Symbol	RT(ppm)	Symbol	TC(ppm)	Symbol	TR(°C)	Symbol	TR(°C)
08	8	05	±5	03	±3	0	0	A	+50
10	10	10	±10	10	±10	1	-10	B	+60
18	18	20	±20	15	±15	2	-20	C	+70
30	30	30	±30	20	±20	3	-30	D	+75
S	Series	50	±50	30	±30	4	-40	E	+80
XX	XX	XX	±XX	50	±50			F	+85
				XX	±XX				