

UM-1, UM-1N, UM-1S Series

Crystals

STANDARD SPECIFICATIONS		EQUIVALENT SERIES RESISTANCE (E.S.R.)		
Frequency Range	7.000-160.000MHz	Frequency (MHz)	Vibration mode	UM-1 UM-1Slim
Crystal Cut	AT (Standard) or BT	7.0 ~ 9.9	Fundamental	100Ω
Mode of Vibration	Fundamental, 3 rd OT, 5 th OT	10.0 ~ 14.9	Fundamental	60
Frequency Tolerance(25 °C)	± 30ppm Standard (see Appendix A for more details)	15.0 ~ 30.0	Fundamental	30
Load Capacitance (CL)	18pF Standard (see Appendix A for more details)	25.0 ~ 29.9	3rd OT	70
Shunt Capacitance(C ₀)	7 pF max (Standard)	30.0 ~ 49.9	3rd OT	60
Insulation Resistance	500MΩ min / DC 100V	50.0 ~ 100.0	3rd OT	50
Frequency Stability	± 50ppm Standard (see Appendix A for more details)	75.0 ~ 160.0	5th OT	80
Aging	±5ppm / year max			
Drive Level (μW)	30nW-1mW			
Operating Temp. Range	0 to +70 (see Appendix A for more details)			
Storage Temperature Range	-40 °C ~+85 °C Standard			

* UM-1S is Surface Mount Type

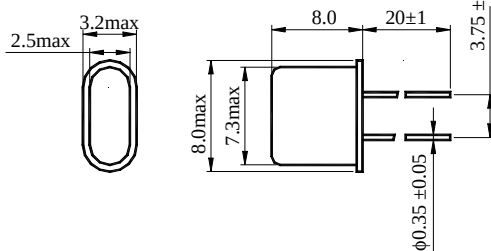
Ordering Instructions (see Appendix A for more details)

Example: ILSI Part # = UM1-FB1F118-20.000

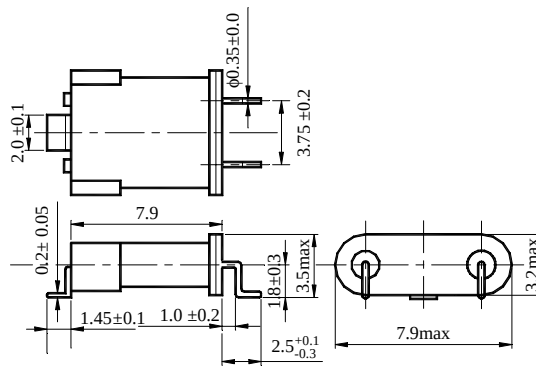
UM1-	±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.-
	F	B	1	F	I	18pF	-20.000MHz

DIMENSIONS(Unit:mm)

UM-1



UM-1S



UM-1N

