

# UM-1 Crystal

## Part Number Guide

T-M-FF.FFFFM-LC-FTFD-OT-ESR-B-G-S

- (Type/型号) A-UM-1 Crystal, 2 Leads  
A2-UM-1 Crystal, 3 Leads
- (Mode of Operation/振荡模式) P-Fundamental T-Third Overtone, etc
- (Frequency/频率)
- Load Capacitance/负载电容: 20/30pF (30-series), etc
- Frequency Tolerance/调整误差: 30±30 ppm, etc
- Frequency Drift/温度漂移: 50±50 ppm, etc
- Operating Temperature/工作温度: -100~10°C to +85°C 400~40°C to +85°C, etc
- Equivalent Series Resistance/等效阻抗
- (Bulk Pack/散装) 00 TR (Tape and Reel/带盘)
- (Sull) Wing/翼状器
- (Special Requirement/特殊要求)



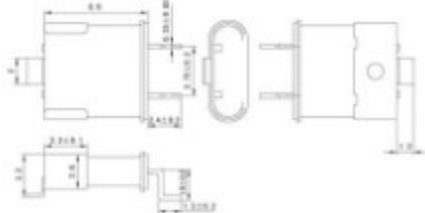
## Electrical Specifications

频率范围	Frequency Range	8.000MHz to 100.000MHz
调整精度	Frequency Tolerance (±F) (±25°C)	±10ppm to ±100ppm
温度精度	Frequency Drift	±10ppm to ±100ppm
工作温度范围	Operating Temperature Range	-50°C to +80°C to -40°C to +85°C
储存温度范围	Storage Temperature Range	-40°C to +85°C / -55°C to +125°C
老化	Aging (25°C)	±5ppm/ year Maximum
静电荷	Short Capacitance (SC)	7pF maximum
激励功率	Drive Level	100µW Typical
绝缘阻抗	Insulation Resistance (IR)	500 Megaohms Minimum at 0°C 100V
负载电容	Load Capacitance (CL)	Suggested by customer

## Equivalent Series Resistance and Mode of Operation

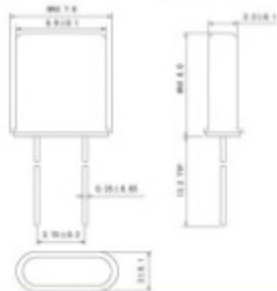
频率范围	ESR	模式
8.000 - 12.000 MHz	250ms	Fundamental
12.000 - 30.000 MHz	30ms	Fundamental
24.000 - 100.000 MHz	40ms	Third Overtone

SULL WING (翼状器)



## Mechanical Dimensions

TWO LEADS (两引线) (带翼状器) (带翼状器)



THREE LEADS (三引线) (带翼状器) (带翼状器)

