



© NOTICE: Do not connect #2 and #3 to exte

⊕ PART NUMBER GUIDE 部件号示例 e.g. FTX24.576MSM12 (*SM12=SMD12.5×4.6)

	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容
FT	X	24.576MHz	12.5

⊕ PARAMETERS 技术参数

ITEM	SYMBOL	SPECIFICATIONS
Nominal Frequency 标称频率	f	3.579~27MHz
Temperature Range 温度范围	Storage Temp. 储存温度 T _{STO}	-55℃ to +125℃
	Operating Temp. 工作温度 T _{OPR}	-40℃ to +85℃
Maximum Drive Level 测试激励电平	GL	1.0 μW max
Frequency Tolerance (Standard) 调整频差	Δf/f	±15ppm ~ ±50ppm
Temperature Coefficient (Frequency) 二次温度曲线系数	a	-0.04×10 ⁻⁶ /℃ ² max
Load Capacitance 负载电容	C _L	12.5pF Std. 6pF to ∞
Series Resistance 谐振电阻	R ₁	80Ω ~200Ω
Motional Capacitance 动态电容	C ₁	16pF Typ.
Shunt Capacitance 静态电容	C ₀	5.0pF Max
Insulation Resistance 绝缘电阻	IR	500MΩ min
Aging 年老化率	Fa	±5×10 ⁻⁶ /year max

© Metal may be exposed on the top of this product. This won't affect any quality, reliability or electri

⊕ Series Resistance 谐振电阻

Frequency(MHz)	频率范围	3.5≤f<4	4≤f<6	6≤f<10	10≤f<32
Series Resistance(Ω)	谐振电阻	200 Ω	150 Ω	100 Ω	50 Ω