

2.5x2.0 SMD Crystal

Part Number Guide

T-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S

T (Type 型号) : N=2.5x2.0 SMD 4pads

M (Mode of Operation 振荡模式) : F=Fundamental

F (Frequency 标称频率) : Normal - 5 digitals of Frequency, e.g. 16.000M

Special - All digitals of Frequency, e.g. 28.63636M

LC (Load Capacitance 负载电容) : 20-20pf 00-series, etc

FT (Frequency Tolerance 调整频差) : 30±30 ppm, etc

FS (Frequency Stability 温度频差) : 50±50 ppm, etc

OT (Operating Temperature 工作温度) : 1050-10°C to +60°C 4085-40°C to +85°C, etc

ESR (Equivalent Series Resistance 等效阻抗)

TR (Tape and Reel 带盘)

S (Special Requirement 特殊要求)



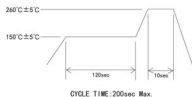
Electrical Specifications 电气参数

型号	Holder Type	2.5x2.0mm Ceramic Surface Mount
频率范围	Frequency Range	16.000MHz to 60.000MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	±10ppm to ±100ppm
温度频差	Frequency Stability	±10ppm to ±100ppm
工作温度范围	Operating Temperature Range	-10°C ~ +60°C to -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C / -55°C ~ +125°C
老化	Aging (25°C)	±5ppm/year Maximum
静电容	Shunt Capacitance (C0)	7pF Maximum
激励功率	Drive Level	10µW Typical
绝缘阻抗	Insulation Resistance (Ra)	500 Megohms Minimum at D_C100V
负载电容	Load Capacitance (CL)	Suggested by customer

Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
16.000-20.000MHz	80Max	Fundamental
20.000-30.000MHz	60Max	Fundamental
30.000-35.000MHz	50Max	Fundamental
>35.000MHz	40Max	Fundamental

Reflow Condition 回流焊条件



Mechanical Dimensions 外型尺寸

