

5x3.2 SMD Crystal

Part Number Guide

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

T (Type 型号): I=5x3.2 SMD 4pads

IB=5x3.2 SMD 2pads

M (Mode of Operation 振荡模式): F-Fundamental T-Third Overtone, etc

F (Frequency 标称频率): Normal - 5 digits of Frequency, e.g. 8,000MHz, 12,00MHz

Special - All digits of Frequency, e.g. 13.225625MHz

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

FT (Frequency Tolerance 调整精度): 30±30 ppm, etc

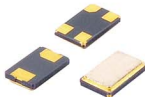
FS (Frequency Stability 温度精度): 50±50 ppm, etc

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 编带)

S (Special Requirement 特殊要求)



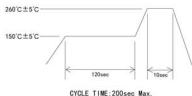
Electrical Specifications 电气参数

型号	Holder Type	5 x 3.2mm Ceramic Surface Mount
频率范围	Frequency Range	8,000MHz to 150,00MHz
调整精度	Frequency Tolerance (ΔF) (at 25°C)	±10ppm to ±100ppm
温度精度	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
驱动功率	Drive Level	100µW Typical
绝缘阻抗	Insulation Resistance (Rs)	500 Megohms Minimum at D.C. 100V
负载电容	Load Capacitance (CL)	Suggested by customer

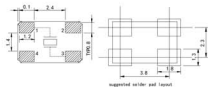
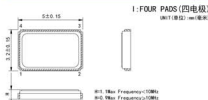
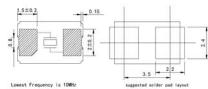
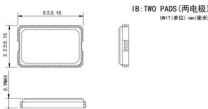
Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8,0000 - 12,000MHz	80Max	Fundamental
12,0000 - 16,000MHz	60Max	Fundamental
16,0000 - 20,000MHz	50Max	Fundamental
20,0000 - 24,000MHz	40Max	Fundamental
>24,000MHz	30Max	Fundamental
40,0000 - 60,000MHz	100Max	Third Overtone
>60,000MHz	80Max	Third Overtone

Reflow Condition 回流焊条件



Mechanical Dimensions 外型尺寸



Note: #2, #4 is connected with a cover (Please connect with a 000 or a power supply)