

# 6x3.5 SMD Crystal

## Part Number Guide

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

T (Type 型号): C=6x3.5 SMD 4pads

CB=6x3.5 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. 8,000M, 12,000M

Special - All digits of Frequency, e.g. 13,225625M

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

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

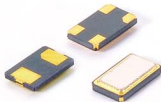
FS (Frequency Stability 温度精度): 50±50 ppm, etc

OT (Operating Temperature 工作温度): 1060=-10°C to +50°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)



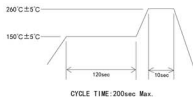
## Electrical Specifications 电气参数

型号	Holder Type	6x3.5mm Ceramic Surface Mount
频率范围	Frequency Range	8,000MHz to 150,000MHz
调整精度	Frequency Tolerance ( $\Delta F$ ) (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
激励功率	Drive Level	100µW Typical
绝缘阻抗	Insulation Resistance (Ri)	500 Megaohms Minimum at D.C 100V
负载电容	Load Capacitance (CL)	Suggested by customer

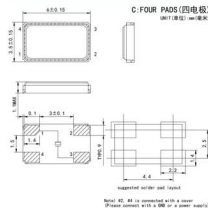
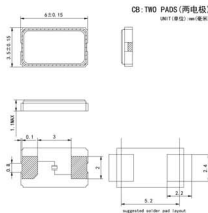
## Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8,000 - 10,000MHz	60Max	Fundamental
10,000 - 14,000MHz	50Max	Fundamental
14,000 - 20,000MHz	40Max	Fundamental
>20,000MHz	30Max	Fundamental
35,000 - 48,000MHz	100Max	Third Overtone
>48,000MHz	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 GND or a power supply)