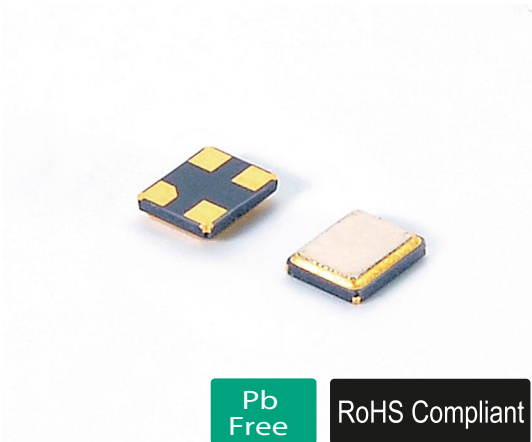


2.5x2.0 SMD Crystal

Part Number Guide

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

- 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): 1060= -10°C to $+60^{\circ}\text{C}$ 4085= -40°C to $+85^{\circ}\text{C}$, etc
ESR (Equivalent Series Resistance等效阻抗)
A (Automotive车载应用)



Electrical Specifications 电气参数

Item 项目	Spec 规格		Condition 条件
Frequency Range 频率范围	12MHz~60MHz		For furtherquestions regarding specifications, please feel free to contact us. 对于超出标准的规格，请联系我们
Operating Temperature 工作温度	-40~85℃， -55~125℃		
Drive Level 激励功率	100 μw max		It is recommended to use 1 μw~100 μw 推荐1 μw~100 μw
Load Capacitance 负载电容	5pF~∞		For furtherquestions regarding specifications, please feel free to contact us. 对于超出标准的规格，请联系我们
Frequency Tolerance 调整频差	±30ppm Standard (±10~±50ppm Available)		
Frequency Stability 温度频差	±30ppm@-40~85℃ ±50ppm@-55~125℃		
Aging 老化率	±3ppm, F0<30MHz ±5ppm, F0≥30MHz		
Storage Temperature 储存温度	-55~125℃		
ESR 等效阻抗（Ω）	12MHz≤F0<16MHz	150 Ω	For furtherquestions regarding specifications, please feel free to contact us. 对于超出标准的规格，请联系我们
	16MHz≤F0<20MHz	80 Ω	
	20MHz≤F0<30MHz	60 Ω	
	30MHz≤F0<35MHz	50 Ω	
	35MHz≤F0<60MHz	40 Ω	

Mechanical Dimensions 外型尺寸

