

# 2.0x1.6 SMD Crystal

## Part Number Guide

DX-T-F-LC-OT

T (Type型号): KC=2.0x1.6 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. 26.000M  
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°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)



Pb Free RoHS Compliant  
Directive 2002/95/EC

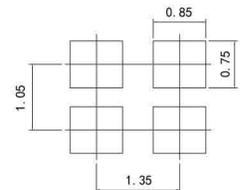
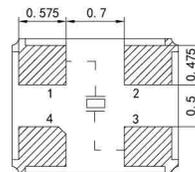
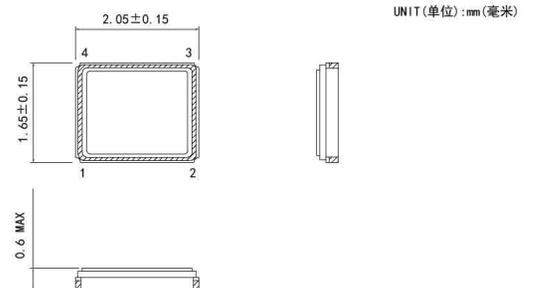
## Electrical Specifications 电气参数

型号	Holder Type	2.0x1.6mm Ceramic Surface Mount
频率范围	Frequency Range	16,000MHz to 60,000MHz
调整频差	Frequency Tolerance ( $\Delta F$ ) (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 to +85°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 (Rs)	500 Megaohms Minmun at D.C100V
负载电容	Load Capacitance (CL)	Suggest 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	200Max	Fundamental
20,000-30,000MHz	100Max	Fundamental
≥30,000MHz	80Max	Fundamental

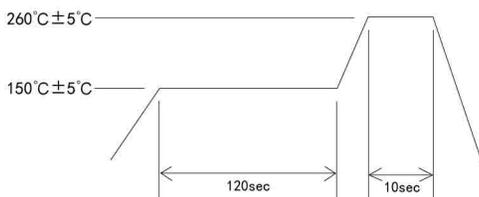
## Mechanical Dimensions 外型尺寸



suggested solder pad layout

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

## Reflow Condition 回流焊条件



CYCLE TIME: 200sec Max.