

晶体谐振器 Crystal Resonator: KX16 KX20 KX25

Feature 特征

- Ultra small package, perfectly used for space-limited designs 超小型封装, 适合空间受限的设计需求
- High stability, low aging, high resistance to shock and vibration 高稳定性, 老化率低, 出色的抗冲击和抗震动能力



General Specifications 规格参考

PARAMETER	性能参数	KX16	KX20	KX25
Package Size	尺寸	1.6 x 1.2 mm	2.0 x 1.6 mm	2.5 x 2.0mm
Frequency Range	频率范围	24MHz ~ 54MHz	20MHz ~ 54MHz	12MHz ~ 60MHz
Oscillation Mode	振荡方式	基频/泛音		
Frequency Tolerance (25°C±3°C)	调整频差	±10ppm, ±20ppm, ±30ppm (max)		
Load Capacitance	负载电容	Series or Parallel (8~32pF)		
Frequency Stability	温度频差	见下表		
Operating Temperature Range	温度范围	见下表		
Equivalent Series Resistance	谐振电阻	120Ω max	120Ω max	20-120Ω
Drive Level	激励电平	10μW typical, 50μW max		
Shunt Capacitance	静电容	3pF max	3pF max	2pF max
Insulation Resistance	绝缘电阻	500MΩ min		
Storage Temperature Range	储存温度范围	-55°C to +125°C		
Aging Per Year	年化率	±3ppm/year max		

Frequency Stability 温度频差 VS Operating Temperature Range 温度范围

Temp. Code	Temp.\ppm	±20	±25	±30	±50	±100
B	-20~70°C	○	○	○	○	○
C	-40~85°C		○	○	○	○
E	-40~105°C				○	○
F	-40~125°C					○

NOTE: Please consult for other specifications 若有其它规格需求请告知

Outline Dimensions (Unit: mm) 外形尺寸

KX16	
KX20	
KX25	

Part Number Guide 产品编号

<u>KX16</u>	-	<u>24.576</u>	-	<u>F</u>	-	<u>20</u>	-	<u>C</u>	-	<u>30</u>	-	<u>30</u>	-	<u>NS</u>
↓		↓		↓		↓		↓		↓		↓		↓
型号	-	标称频率	-	振荡方式	-	负载	-	工作温度	-	调整频差	-	温度频差	-	特殊要求

‘KX’: 产品系列														
‘16’: 封装尺寸														
SMD1.6x1.2mm														
(MHz 频率产品														
后加两位数字)														
		(In MHz)		F-基频				B: -20~+70°C						10 = ±10ppm
				T-泛音				C: -40~+85°C		10 = ±10ppm				20 = ±20ppm
								E: -40~+105°C		20 = ±20ppm				30 = ±30ppm
								F: -40~+125°C		30 = ±30ppm				50 = ±50ppm
														100 = ±100ppm

