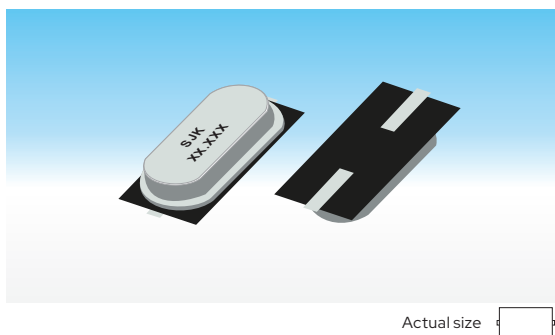


# Quartz Crystal Units

6P Series M49SMD Crystal Unit

8MHz~50MHz

Size: 7.0×4.0×2.3mm



## Features

- AT-cut crystal inside
- Wide frequency range from 8MHz~50MHz
- High frequency stability and high precision
- High reliable equivalent performance
- Application for IoT, Wearable device, Smart home, Network, Industrial equipment, Security, Communications, etc.
- RoHS Compliant / Pb Free



## Standard Specifications

Item	Type	6P Series M49SMD Crystal Unit			
		8~12MHz	12~16MHz	16~20MHz	20~50MHz
Frequency Range		8~12MHz	12~16MHz	16~20MHz	20~50MHz
Overtone Order		Fundamental			
Load Capacitance		9pF, 12pF, 20pF, or specify			
Drive Level		100μW Typical			
Frequency Tolerance		±20ppm, ±30ppm, or specify (at 25°C)			
Series Resistance		80Ω max.	60Ω max.	50Ω max.	40Ω max.
Frequency Characteristics Over Temperature		±10ppm, ±20ppm, ±30ppm, or specify			
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify			
Storage Temperature Range		-40~+85°C			
Shunt Capacitance		±3ppm/Year max.			
Aging (@25°C)		3pF max.			
Size (L×W×H) (mm)		7.0×4.0×2.3			
Packing Unit		1000pcs./reel			

## Dimensions

[mm]

