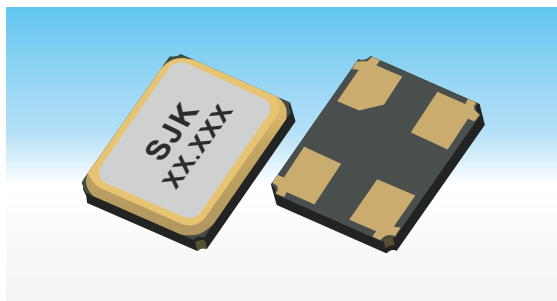


# SMD Crystal Unit For Automotive

A7F Series SMD2016 Crystal Unit For Automotive

16MHz~50MHz

Size: 2.0×1.6×0.50 mm



Actual size

## Features

- SMD2016 size ultra miniature and lightweight SMD crystal with low profile of 0.5mm
- Frequency range from 16MHz to 50MHz
- AEC-Q200 qualified
- Superior performance and stringent reliability in harsh environment
- Application for TPMS, Lidar, ADAS, BMS, RKE, Camera, Radar, Power steering, Charge, IVI, Car audio, etc.
- RoHS Compliant / Pb Free



## Standard Specifications

Item	Type	7F Series SMD 2016 Crystal Units		
		16~20MHz	20~32MHz	32~50MHz
Frequency Range		16~20MHz	20~32MHz	32~50MHz
Overtone Order		Fundamental		
Load Capacitance		8pF, 10pF, 12pF, or specify		
Drive Level		10μW, 100μW, 200μW or specify		
Frequency Tolerance		±10ppm, ±15, ±20ppm, ±30ppm, ±50ppm, or specify (at 25°C)		
Series Resistance		120Ω max.	80Ω max.	50Ω max.
Storage Temperature Range		-55~+125°C		
Size (L×W×H) (mm)		2.0×1.6×0.5		
Packing Unit		3000pcs./reel		

## Frequency Stability Vs Operating Temperature Range

Frequency Stability	Temperature		
	±30ppm	±50ppm	±100ppm
-40~+105°C	●	●	●
-40~+125°C	○ Contact Us	●	●

## Dimensions

[mm]

### Connection

### Suggested Layout

Top View Suggested Layout