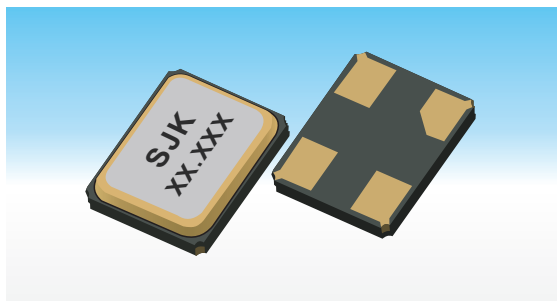


SMD Crystal Unit For Automotive

A7E Series SMD2520 Crystal Unit For Automotive

12MHz~48MHz

Size: 2.5×2.0×0.60 mm



Actual size

Features

- SMD2520 size ultra miniature and lightweight SMD crystal with low profile of 0.6mm
- Frequency range from 12MHz to 48MHz
- 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	7E Series SMD 2520 Crystal Units			
		12MHz	16~20MHz	20~30MHz	30~48MHz
Frequency Range		12MHz	16~20MHz	20~30MHz	30~48MHz
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		200Ω max.	80Ω max.	40Ω max.	30Ω max.
Storage Temperature Range		-55~+125°C			
Size (L×W×H) (mm)		2.5×2.0×0.6			
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