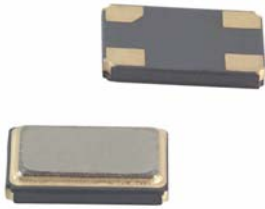


SMD Crystal Resonators

JX5A Series

4 Pad Version 5.0×3.2 mm



- High frequency stability and reliability.
- High precision characteristics covering up to wide frequency range.
- Excellent for reducing EMI effect.
- RoHS Compliant /Pb Free.

■ Standard Specification

PARAMETERS	Sign	SPECIFICATION
Frequency Range	F0	8~54MHz
Oscillation Mode		Fundamental
Loading Capacitance	CL	6pF to 32pF / Series available
Drive Level	DL	100μW (300μW Max)
Frequency Tolerance	FL	±10ppm, ±15ppm, ±20ppm, or specify
Equivalent Resistance	RR	See Below
Frequency Stability	TC	±10ppm, ±15ppm, ±20ppm, ±30ppm, or specify
Operating Temp. Range:	T _{OPR}	-10~+60°C to -40~+125°C
Storage Temp. Range:	T _{STG}	-55~+125°C

© All specification subject change without notice.

■ ESR (Equivalent Series Resistance)

8-9.999MHz	AT CUT/FUND.	80Ω max.
10-11.999MHz	AT CUT/FUND.	60Ω max.
12-54.000MHz	AT CUT/FUND.	40Ω max.

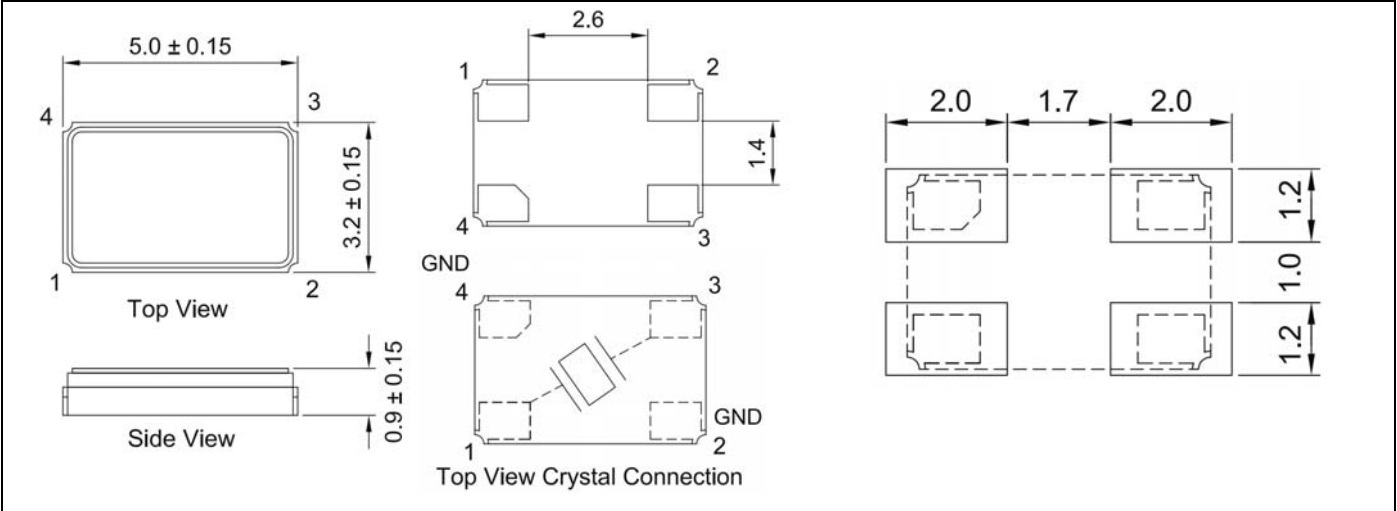
■ Frequency Stability vs. Temperature

Operating Temperature Range	Frequency Stability				
	±10ppm	±15ppm	±20ppm	±30ppm	±50ppm
-10°C~+60°C	O	O	O	O	O
-20°C~+70°C	△	O	O	O	O
-40°C~+85°C	×	△	O	O	O
-30°C~+105°C	×	△	△	O	O
-40°C~+125°C	×	×	×	△	O

O: Available
△: Conditional
×: Not available

■ Dimensions (mm)

■ Solder Pad Layout (mm)



■ Part Numbering guide

e.g. JX5A-12M288-10B10-B3

Logo	Quartz Crystal Resonator	Series		Center Freq.		Freq. Tolerance	Operating Temp. Range	Freq. Stability		Load Capacitance	Extra Code
J	X	5A	-	12M288	-	10	B	10	-	B	3

■ Taping Specification

