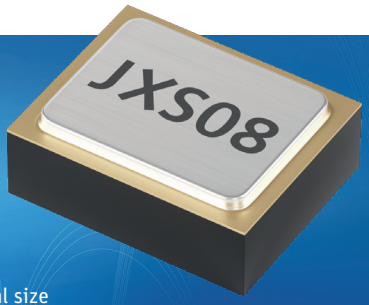


actual size

SMD Quartz Crystal · JXS08

- 4 Pad Version, 1.0 x 0.8 mm
- ± 10 ppm type available
- high frequency stability and low ESR
- metal lid allows EMI shielding
- reflow soldering temperature: 260 °C max.

RoHS 2015/863/EU compliant · Pb free · REACH compliant · Conflict mineral free

GENERAL DATA

TYPE	JXS08
frequency range	32.0 MHz ~ 80.0 MHz
frequency tolerance at 25 °C	±10 ppm / ±12 ppm / ±20 ppm
load capacitance C_L	6 pF / 8 pF standard
	(option: 4 pF / 7 pF / 9 pF / 10 pF)
shunt capacitance C_0	< 2 pF
storage temperature	-40 °C ~ +95 °C
drive level max.	100 µW (10 µW recommended)
aging	< ± 3 ppm first year
	(option: < ± 2 ppm first year for tol. ± 10 ppm)

TABLE 1: FREQUENCY STABILITY VS.TEMPERATURE

		± 10 ppm	±12 ppm	±15 ppm	±20 ppm
-20 °C ~ +70 °C	STD.	○	○	○	○
-30 °C ~ +85 °C	T(-30/+85)		○	○	○
-40 °C ~ +85 °C	T1		△	○	○

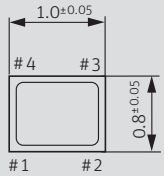
○ available △ case-by-case, ask if available

ESR (SERIES RESISTANCE RS)

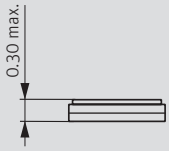
frequency in MHz	vibration mode	ESR max. in Ω	ESR typ. in Ω
32.0	fund. AT	150	60
40.0	fund. AT	100	55
48.0*	fund. AT	100*	45*
52.0*	fund. AT	100*	45*
59.970	fund. AT	80	35
60.0	fund. AT	80	35
64.0*	fund. AT	80*	35*
76.80	fund. AT	80	35
80.0	fund. AT	80	35

* preliminary, ask for availability
more frequencies case-by-case

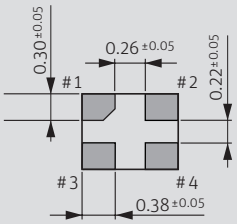
DIMENSIONS



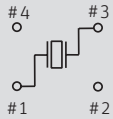
top view



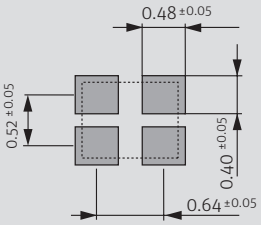
side view



bottom view



#2–#4: connected to lid, preferably connect to GND crystal connection



pad layout

in mm

ORDER INFORMATION

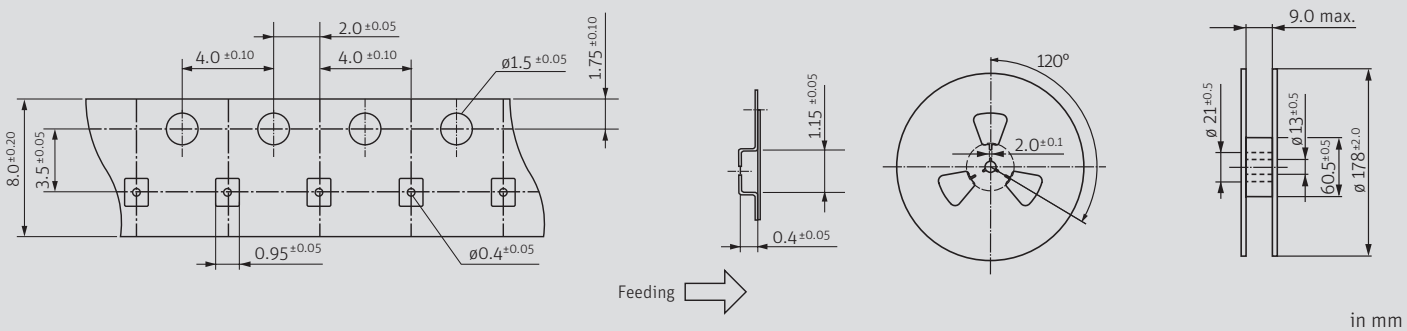
Q	frequency	– type	– load capacitance	– tolerance at 25 °C	– stability vs. temp. range	– option	– FU = fundamental mode
Quartz	40.0 ~ 80.0 MHz	JXS08	6 pF / 8 pF standard 4 pF / 7 pF / 9 pF / 10 pF optional	10 = ± 10 ppm 12 = ± 12 ppm 20 = ± 20 ppm	10 = ± 10 ppm 12 = ± 12 ppm 15 = ± 15 ppm 20 = ± 20 ppm	blank = -20 °C ~ +70 °C T1 = -40 °C ~ +85 °C T (-30 /+85) = -30 °C ~ +85 °C	

Example: Q 76.80-JXS08-6-10/15-T1-FU-LF (Suffix LF = RoHS compliant / Pb free)

Jauch® THE PULSE OF PROGRESS

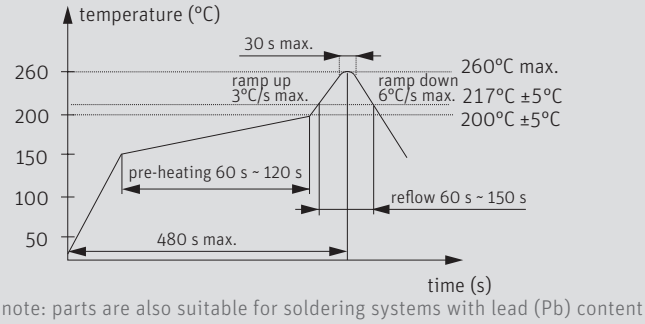
SMD Quartz Crystal · JXS08

TAPING SPECIFICATION



in mm

REFLOW SOLDERING PROFILE



note: parts are also suitable for soldering systems with lead (Pb) content

LOAD CAPACITANCE CODES

4 pF: B
5 pF: F
6 pF: q
7 pF: m
8 pF: k
9 pF: n
10 pF: h
12 pF: a
series: S

example 26.0 MHz / 8 pF: 26k0

MARKING

frequency with load capacitance code
company code / date code

date code: year/month; A ~ M: Jan. - Dec.; example: 5A = 2025 January
4: 2024 5: 2025 6: 2026 7: 20275 8: 2028 9: 2029

Jan.	Febr.	Mar.	Apr.	May	June
A	B	C	D	E	F
July	**Aug.**	**Sept.**	**Oct.**	**Nov.**	**Dec.**
G	H	J	K	L	M