



actual size

# SMD Quartz Crystal · JXS10-WA

- perfect reference crystal for wireless applications
- miniature crystal, dimension 1.2 x 1.0 mm
- ± 10 ppm type available
- high frequency stability and low ESR
- metal lid allows EMI shielding



RoHS compliant



Pb free



REACH compliant



Conflict mineral free

## GENERAL DATA

TYPE	JXS10-WA
frequency range	24.0 ~ 80.0 MHz (fund. AT-cut)
frequency tolerance at 25 °C	±10 ppm
load capacitance $C_L$	6 pF / 8 pF standard (option: 7pF / 9 pF)
shunt capacitance $C_0$	< 2pF
storage temperature	-40 °C ~ +90 °C
drive level max.	100 µW (10 µW recommended)
aging	< ± 1 ppm first year

## ESR (SERIES RESISTANCE RS)

frequency in MHz	vibration mode	ESR max. in Ω	ESR typ. in Ω
24.0 Δ	fund. - AT	(150)	(100)
24.5760	fund. - AT	150	100
25.0 Δ	fund. - AT	(150)	(100)
26.0 Δ	fund. - AT	(150)	(100)
27.120 Δ	fund. - AT	(150)	(100)
32.0	fund. - AT	100	50
37.40	fund. - AT	60	35
38.40	fund. - AT	60	35
40.0	fund. - AT	60	30
48.0	fund. - AT	60	30
50.0 Δ	fund. - AT	(60)	(30)
52.0 Δ	fund. - AT	(60)	(30)
64.0 Δ	fund. - AT	(60)	(30)
76.80	fund. - AT	40	25
78.1250	fund. - AT	40	25
80.0	fund. - AT	40	25

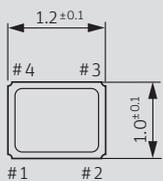
Δ ask if available, ESR in () is preliminary information

## TABLE 1: FREQUENCY STABILITY CODE

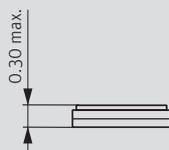
		± 10 ppm	±13 ppm	±15 ppm	±20 ppm	±25 ppm
-20 °C ~ +70 °C	STD.	Δ	○	○	○	○
-30 °C ~ +85 °C	T(-30/+85)	Δ	○	○	○	○
-40 °C ~ +85 °C	T1			○	○	○

○ available Δ ask if available

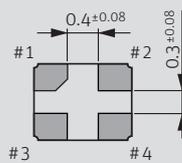
## DIMENSIONS



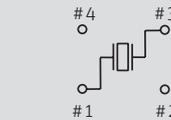
top view



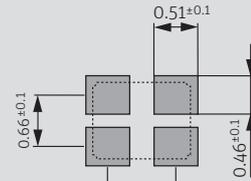
side view



bottom view



#2-#4: connected to lid, preferably connect to GND



pad layout

in mm

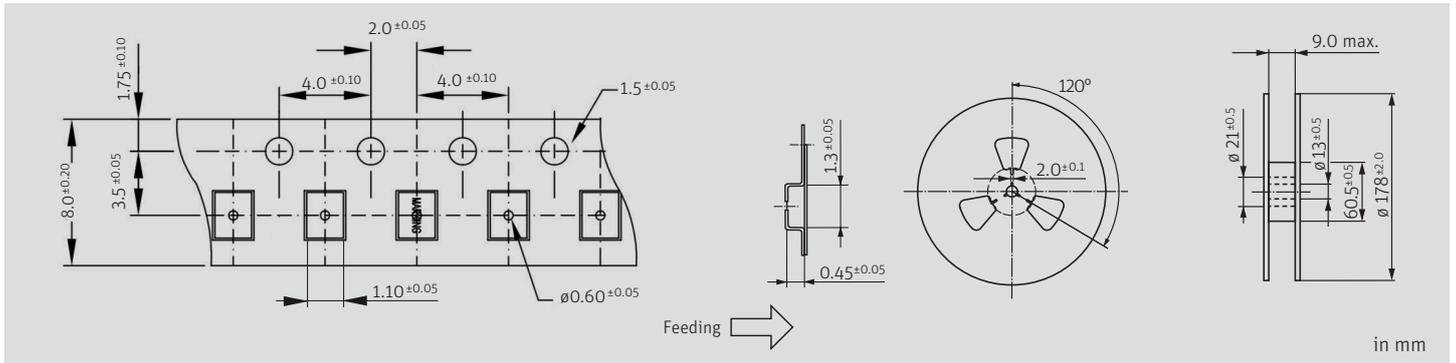
## ORDER INFORMATION

Q	frequency	type	load capacitance	tolerance at 25 °C	stability vs. temp. range	option 1	option 2
Quartz	see frequencies in ESR list	JXS10	6 / 7 / 8 / 9 pF	10 = ±10 ppm std.	10 = ±10 ppm 15 = ±15 ppm 20 = ±20 ppm 25 = ±25 ppm	blank = -20 °C ~ +70 °C T(-30/+85) = -30 °C ~ +85 °C T1 = -40 °C ~ +85 °C FU = for fundamental frequencies ≥ 20 MHz	WA = for wireless application

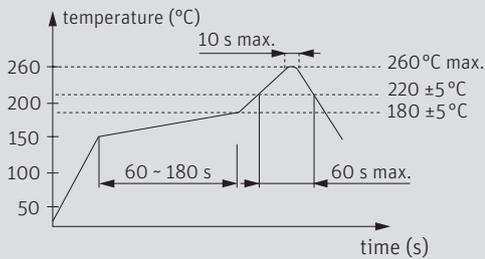
Example: Q 26.0-JXS10-8-10/20-T1-FU-WA-LF (Suffix LF = RoHS compliant / Pb free pins or pads)

# SMD Quartz Crystal · JXS10-WA

## TAPING SPECIFICATION



## REFLOW SOLDERING PROFILE



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

## LOAD CAPACITANCE CODES

- 6 pF: q
- 7 pF: m
- 8 pF: k
- 9 pF: n

example 48.0 MHz / 6 pF: 48q0

## MARKING

frequency with load capacitance code  
company code / date code / internal code

date code: year/month; A ~ M: Jan. - Dec.; example: 6A = 2026 January  
6: 2026 7: 2027 8: 2028 9: 2029 0: 2030 1: 2031

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