



actual size

SMD Quartz Crystal · JXS75/1

- 2 pad version, 7.0 x 5.0 mm
- reflow soldering temperature: 260 °C max.
- ceramic / metal package



RoHS compliant



Pb free



REACH compliant



Conflict mineral free

GENERAL DATA	
TYPE	JXS75/1
frequency range	6.0 ~ 30.0 MHz (fund. AT-cut)
frequency tolerance at 25 °C	± 20 ppm / ± 30 ppm (standard)
load capacitance C_L	12 pF standard (option 16 pF / 20 pF)
shunt capacitance C_0	< 7 pF
storage temperature	-40 °C ~ +85 °C / +125 °C
drive level max.	100 µW
aging	< ± 5 ppm first year

ESR (SERIES RESISTANCE R_S)			
frequency in MHz	vibration mode	ESR max. in Ω	ESR typ. in Ω
6.0 ~ 7.99	fund. - AT	150	100
8.0 ~ 9.99	fund. - AT	60	25
10.0 ~ 10.99	fund. - AT	50	25
11.0 ~ 12.99	fund. - AT	40	20
13.0 ~ 24.99	fund. - AT	30	15
25.0 ~ 30.00	fund. - AT	30	10

TABLE 1: FREQUENCY STABILITY VS. TEMPERATURE				
		±30 ppm	±50 ppm	±100 ppm
-20 °C ~ +70 °C	STD.	●	○	○
-40 °C ~ +85 °C	T1	●	○	○
-40 °C ~ +105 °C	T2		△	●
-40 °C ~ +125 °C	T3			●

MARKING						
frequency with load capacitance code						
company code / date code / internal code						
date code: year/month; A ~ M: Jan. - Dec.; example: 6A = 2026 January						
5: 2025 6: 2026 7: 2027 8: 2028 9: 2029 0: 2030						
Jan.	Febr.	Mar.	Apr.	May	June	
A	B	C	D	E	F	
July	Aug.	Sept.	Oct.	Nov.	Dec.	
G	H	J	K	L	M	

● standard ○ available △ case-by-case, ask for availability

DIMENSIONS

top view side view bottom view crystal connection pad layout in mm

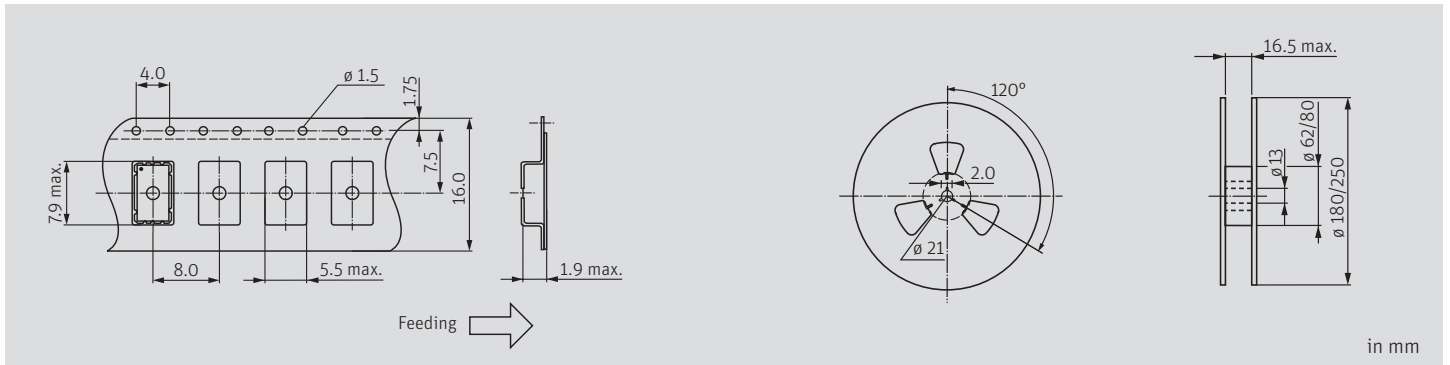
ORDER INFORMATION

Q	frequency	type	load capacitance	tolerance at 25 °C	stability vs. temp. range	option
Quartz	6.0 ~ 30.0 MHz	JXS75/1	12 pF standard 16 pF / 20 pF option	20 = ± 20 ppm 30 = ± 30 ppm	30 = ± 30 ppm 50 = ± 50 ppm 100 = ± 100 ppm	blank = -20 °C ~ +70 °C T1 = -40 °C ~ +85 °C T2 = -40 °C ~ +105 °C T3 = -40 °C ~ +125 °C FU = for fundamental frequencies ≥ 20 MHz

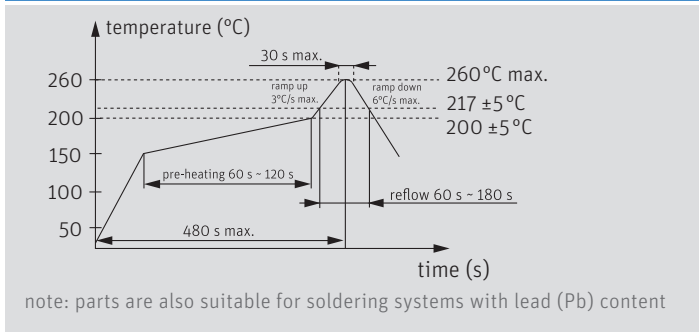
Example: Q 25.0-JXS75/1-12-30/30-T1-FU-LF (Suffix LF = RoHS compliant / Pb free)

SMD Quartz Crystal · JXS75/1

TAPING SPECIFICATION



REFLOW SOLDERING PROFILE



LOAD CAPACITANCE CODES

- 12 pF: a
- 16 pF: b
- 20 pF: c

example 25.0 MHz / 12 pF: 25a00