



actual size

SMD Quartz Crystal · JXG42P4

4 Pad Version · 4.0 x 2.5 mm

- ceramic package
- high density mounting type
- wave soldering temperature: 260 °C max.



General Data

type	JXG42P4
frequency range	12.0 ~ 26.0 MHz (fund. AT-cut)
frequency stability at 25 °C	± 30 ppm
load capacitance C_L	12 pF standard (option: 10 pF ~ 30 pF / series)
shunt capacitance C_0	< 7 pF max.
storage temperature	-40 °C ~ +90 °C
drive level max.	100 µW (10 µW recommended)
aging	< ± 3 ppm first year

ESR (series resistance Rs)

frequency in MHz	vibration mode	ESR max. in Ω	ESR typ. in Ω
12.0 ~ 26.000	fund.- AT	60	40 - 50

Frequency Stability vs. Temperature

	± 30 ppm	± 50 ppm	± 100 ppm		
-20 °C ~ +70 °C	○	●			
-40 °C ~ +85 °C		○	●		

● standard
 ○ available

Marking

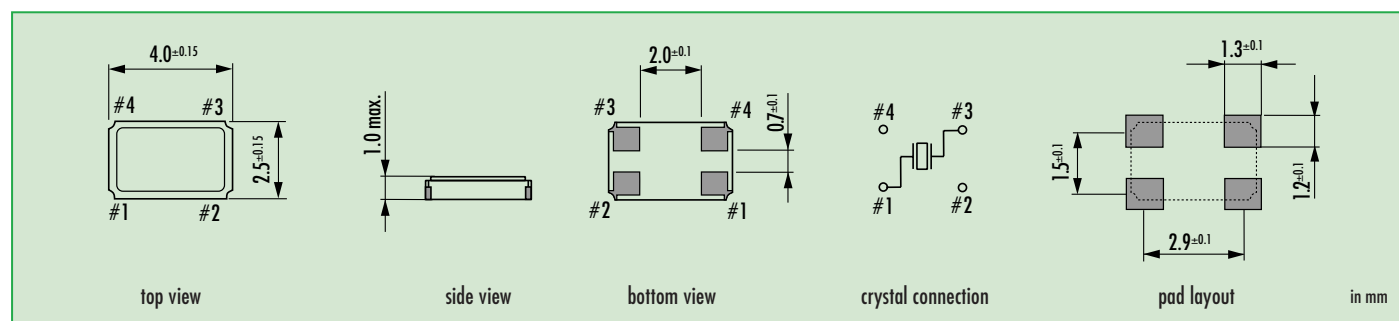
frequency with load capacitance code
company code / date code / internal code

date code: year/month

example: 6A = 2006 January

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

Dimensions



Order Information

Q	frequency	type	load capacitance	stability at 25 °C	stability vs. temp. range	option
Quartz	12.0 ~ 26.0 MHz	JXG42P4	12 pF standard 10 pF ~ 30 pF S for series	30 = ± 30 ppm	30 = ± 30 ppm 50 = ± 50 ppm 100 = ± 100 ppm	blank = -20 °C ~ +70 °C T1 = -40 °C ~ +85 °C FU = for fundamental frequencies ≥ 20 MHz

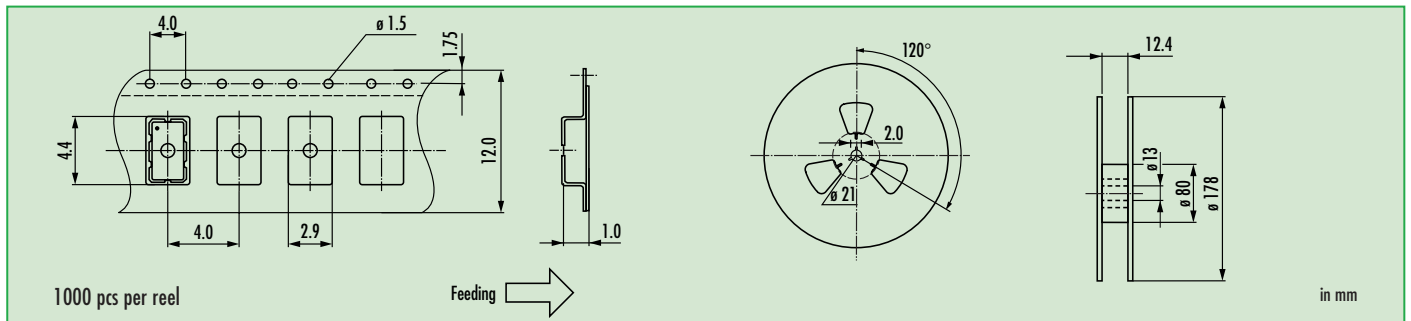
Example: Q 28.0-JXG42P4-12-30/50-FU-LF (Suffix LF = RoHS compliant / Pb free pads)



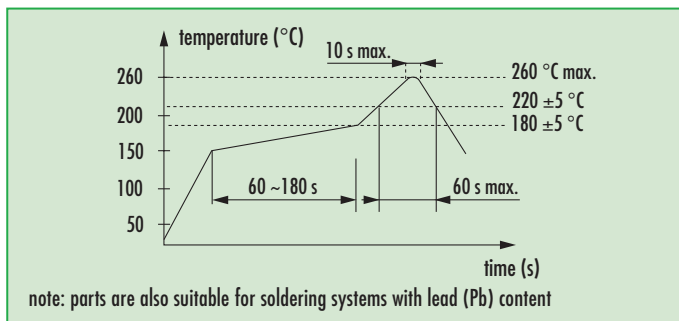
Jauch Quartz GmbH • e-mail: info@jauch.de
full data can be found under: www.jauch.de / www.jauch.fr / www.jauchusa.com
All specifications are subject to change without notice

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Taping Specification



Reflow Soldering Profile



Load Capacitance Codes

8 pF: k	14 pF: x	22 pF: g	series: s
9 pF: n	15 pF: j	24 pF: d	T: 3rd OT
10 pF: h	16 pF: b	25 pF: r	
11 pF: l	17 pF: t	27 pF: w	
12 pF: a	18 pF: f	30 pF: .	
13 pF: v	20 pF: c		

example 12.0 MHz / 12 pF: 12a00