

actual size

Quartz Crystal • JXE75

Surface Mount Quartz Crystal

Features

- package height 1.3 mm
- ceramic/ceramic package

General Data

type	JXE75
frequency range	6.00 ~ 60.0 MHz (fund. AT-cut)
	28.00 ~ 125.0 MHz (3rd OT AT-cut)
	73.32 ~ 170.0 MHz (5th OT AT-cut) on request
	25.00 ~ 50.0 MHz (fund. BT-cut)
frequency tolerance at 25 °C	± 20 ppm ~ ± 50 ppm
load capacitance C_L	12 pF ~ 32 pF or series
shunt capacitance C_0	< 7 pF
storage temperature	-40 °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
6.00 ~ 7.999	fund. - AT	80	40
8.00 ~ 9.999	fund. - AT60	30	
10.0 ~ 15.999	fund. - AT	50	20
16.0 ~ 60.000	fund. - AT	40	15
28.0 ~ 125.00	3rd OT - AT	60	35
73.32 ~ 170.0	5th OT - AT	Ω	Ω
25.0 ~ 50.000	fund. - BT	50	20

Frequency Stability vs. Temperature

		± 30 ppm	± 50 ppm	± 100 ppm	± 150 ppm	± 200 ppm
-20 °C ~ +70 °C	STD.	○	●			
-40 °C ~ +85 °C	T1		○	●		
-40 °C ~ +105 °C	T2			○	○	
-40 °C ~ +125 °C	T3			○	○	○

● standard
 ○ on request

Marking

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

date code: year/month

example: 2A = 2002 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

Order Information

Q	frequency in MHz	type	load capacitance in pF	stability at 25 °C in ppm	stability vs. temp. range in ppm	option
Quartz	6.0 ~ 170.0 MHz	JXE75/1 standard JXE75/2 JXE75/3	12 pF standard 12 pF ~ 32 pF S for series	± 50 ppm standard	see table	FU= fundamental AT-cut 30T= 3rd overtone AT-cut 50T= 5th overtone AT-cut BT= fundamental BT-cut T1= -40°C~+85°C T2= -40°C~+105°C T3= -40°C~+125°C

Example: Q 28.0-JXE75/1-12-50/50-FU

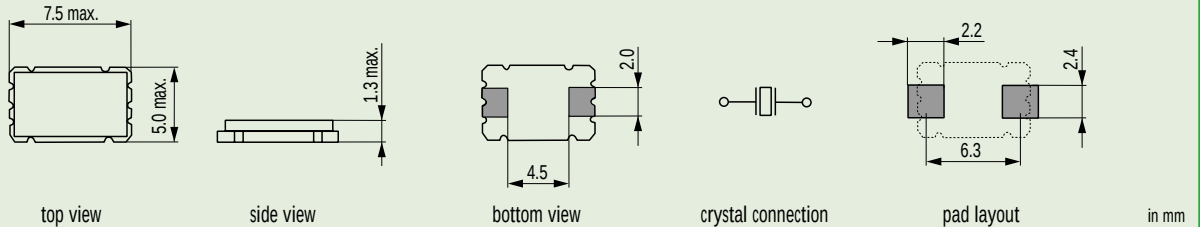


SMQ series • JXE75

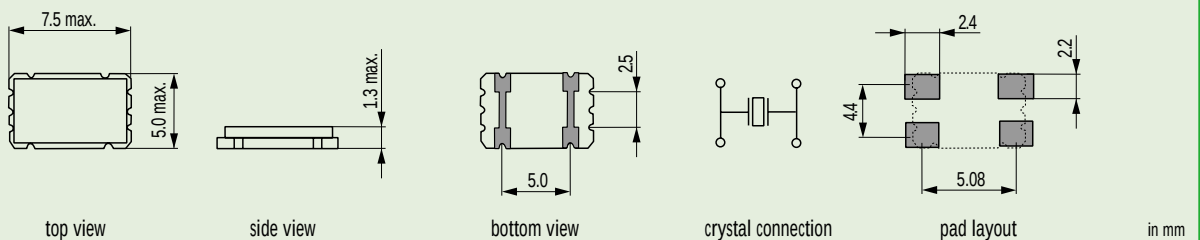
Dimensions

JXE 75/1

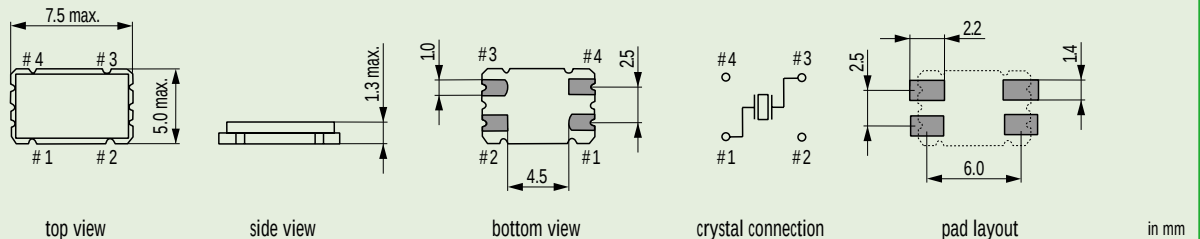
(standard type)



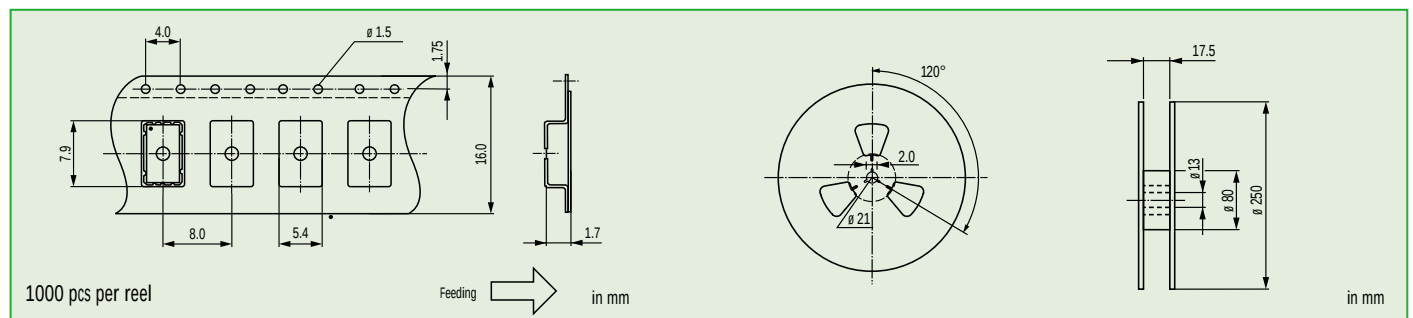
JXE 75/2



JXE 75/3



Taping Specification



Load Capacitance Codes

7 pF: m	13 pF: v	18 pF: f	27 pF: w
8 pF: k	14 pF: x	20 pF: c	30 pF: .
9 pF: n	15 pF: j	22 pF: g	32 pF: e
11 pF: i	16 pF: b	24 pF: d	series: s
12 pF: a	17 pF: t	25 pF: r	T: 3rd OT

example 6.0 MHz / 12 pF: 6a000