



actual size

actual size

Quartz Crystal · JXE63

Surface Mount Quartz Crystal

Features

■ RoHS compliant

■ ceramic/ceramic package

General Data

type	JXE63
frequency range	10.0 ~ 60.0 MHz (fund. AT-cut)
	40.0 ~ 67.0 MHz (3rd OT AT-cut)
	28.0 ~ 60.0 MHz (fund. BT-cut)
frequency tolerance at 25 °C	± 50 ppm
load capacitance C_L	12 pF ~ 32 pF or series
shunt capacitance C_0	< 7 pF
storage temperature	-40 °C ~ +90 °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
10.0 ~ 11.999	fund. - AT	80	40
12.0 ~ 15.999	fund. - AT	60	30
16.0 ~ 60.000	fund. - AT	40	15
40.0 ~ 67.000	3rd. OT - AT	70	35
28.0 ~ 60.000	fund. - BT	50	20

Frequency Stability vs. Temperature

		± 30 ppm	± 50 ppm	± 100 ppm	+10/-100 ppm	
-20 °C ~ +70 °C		○	●		○ BT-cut	
-40 °C ~ +85 °C	T1			●		

● standard
 ○ on request

Marking

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

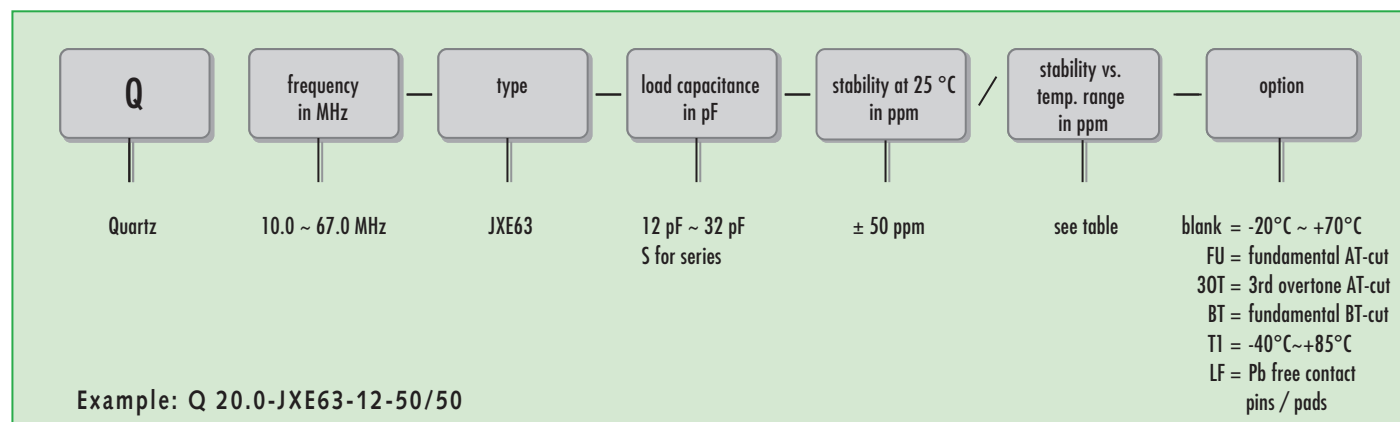
date code: year/month

example: 5A = 2005 January

Jan.	Febr.	Mar.	Apr.	May	June
A	B	C	D	E	F

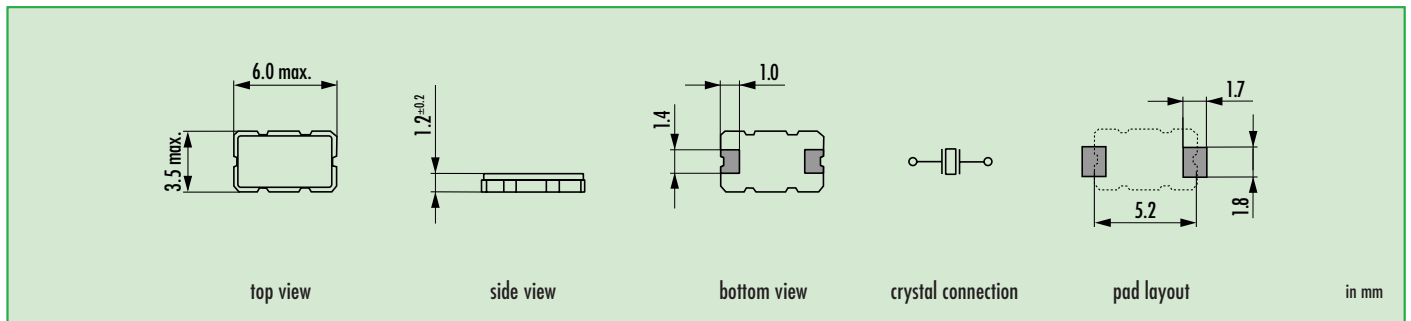
July	Aug.	Sept.	Oct.	Nov.	Dec.
G	H	J	K	L	M

Order Information

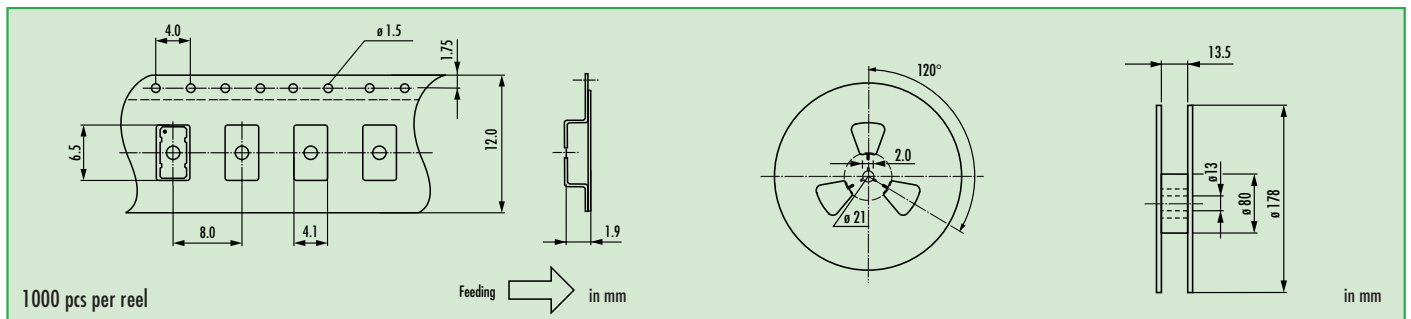


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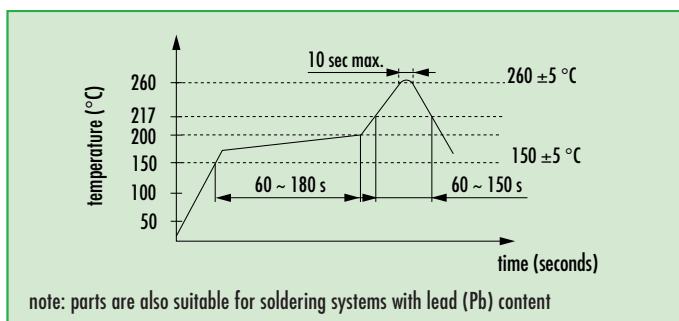
Dimensions



Taping Specification



Reflow Soldering Profile



Load Capacitance Codes

7 pF: m	13 pF: v	20 pF: c	32 pF: e
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: i	17 pF: t	27 pF: w	
12 pF: a	18 pF: f	30 pF: .	

example 4.0 MHz / 12 pF: 4a000