





 actual size

HC7550

HOORAY

surface mount quartz crystal

features

-  high frequency stability type
-  ceramic/metal package

type	HC7550
frequency	6.0 ~ 40.0 MHz (fund. AT-cut)
	28.0 ~ 125.0 MHz (3rd OT)
	84.0 ~ 170.0 MHz (5th OT)
frequency tolerance at 25 °C	± 10, 20, 30 ppm
frequency temperature characteristic	± 10, 20, 30 ppm
operating temperature range	-10 °C ~ +60 °C
storage temperature	-40 °C ~ +90 °C
load capacitance C_L	12 pF ~ 32 pF, series
shunt capacitance C_0	< 7 pF
drive level	100 µW
aging first year	< ± 3 ppm

marking:

1. line = company code / load capacitance
2. line = frequency / date code

date code

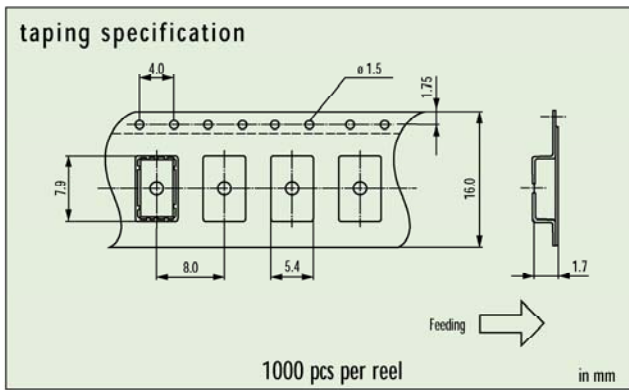
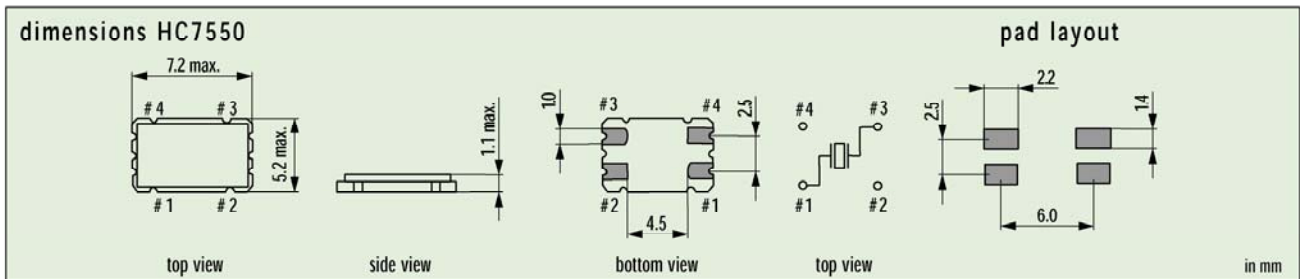
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2007	a	b	c	d	e	f	g	h	j	k	l	m
2008	n	p	q	r	s	t	u	v	w	x	y	z
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z

option table

- 3 OT – 3rd overtone
- 5 OT – 5th overtone

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series resistance (Rs) / motional capacitance (C1) table

frequency in MHz	cut	vibration mode	Rs max. in Ω	Rs typ. in Ω	C1 typ. in fF
9.8304 ~ 9.999	AT	fund	80	20	10
10.0 ~ 15.999	AT	fund	80	15	11
16.0 ~ 28.0	AT	fund	40	10	12
28.0 ~ 84.0	AT	3rd OT	60	35	1.5
84.0 ~ 100.0	AT	5th OT	80	70	0.3

standard load capacitance

12 pF	24 pF
16 pF	30 pF
18 pF	32 pF
20 pF	series
22 pF	

