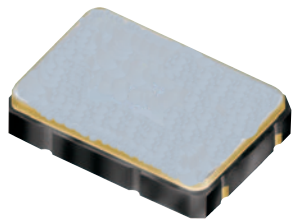


# Quartz Crystal - HC7550M4



actual size

4 Pad Version · 7.5 x 5.2 mm

- ± 10 ppm type available
- EMI shielding possible by grounded lid
- reflow soldering temperature: 260 °C max.
- ceramic / metal package



## General Data

type	HC7550M4	
frequency range	5.53 ~ 54.0 MHz	( fund. AT-cut )
	24.00 ~ 150.0 MHz	( 3rd OT AT-cut )
	60.00 ~ 170.0 MHz	( fund. AT-cut ) on request
frequency tolerance at 25 °C	± 10 ppm ~ ± 30 ppm	
load capacitance $C_L$	12 pF standard	(option 8 pF ~ 30 pF / series)
shunt capacitance $C_0$	< 7 pF	
storage temperature	-40 °C ~ +90 °C	
drive level max.	100 µW	
aging	± 3 ppm max first year	

## ESR (series resistance $R_s$ )

frequency in MHz	vibration mode	ESR max. in $\Omega$	ESR typ. in $\Omega$
5.53 ~ 5.99	fund.- AT	150	80
6.0 ~ 6.99	fund.- AT	100	60
7.0 ~ 9.99	fund.- AT	80	20
10.0 ~ 15.99	fund.- AT	60	20
16.0 ~ 21.99	fund.- AT	50	15
22.0 ~ 24.99	fund.- AT	40	15
25.0 ~ 54.00	fund.- AT	30	15
24.0 ~ 150.00	3rd OT - AT	on request	on request

## Frequency Stability vs. Temperature

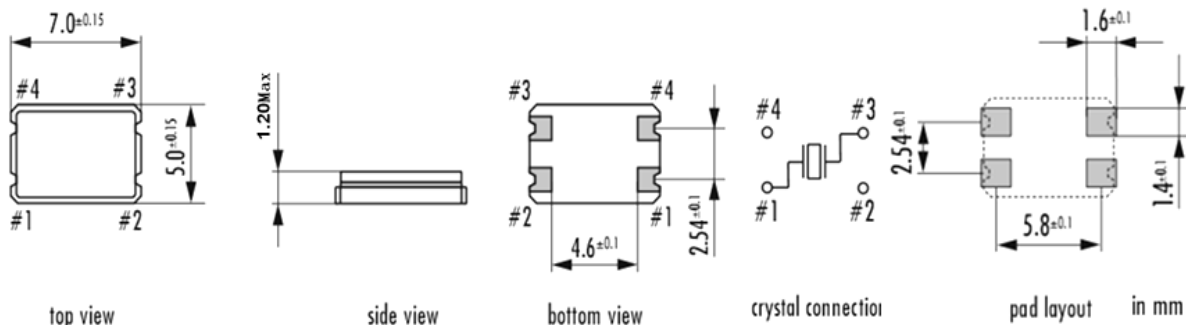
		± 10 ppm	± 15 ppm	± 20 ppm	± 30 ppm	± 50 ppm	100 ppm
-20 °C ~ +70 °C	STD.	○	○	○	●	○	○
-40 °C ~ +85 °C	T1		○	○	○	○	○

● standard  
○ available

## Marking

frequency with load capacitance code													
company code / date code / internal code													
	Jan.	Febr.	Mar.	Apr.	May	June	July	Aug.	Sept.	Okt.	Nov.	Dec.	
2011	2015	a	b	c	d	e	f	g	h	i	k	l	m
2012	2016	n	p	q	r	s	t	u	v	w	x	y	z
2013	2017	A	B	C	D	E	F	G	H	J	K	L	M
2014	2018	N	P	Q	R	S	T	U	V	W	X	Y	Z

## Dimensions



## Taping Specification

