

ISSUE 7; May 2022

Description

- SMD 4 pad version of the HC49/3.5H.
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads.
Please see our 88SMX for a 6 pad version of this package.
Please see our HC49/4HSMX for standard stock items in this package type.

Frequency Parameters

- | | |
|-----------------------|-------------------------|
| ■ Frequency | 3.2MHz to 100.0MHz |
| ■ Frequency Tolerance | ±10.00ppm to ±100.00ppm |
| ■ Frequency Stability | ±15.00ppm to ±500.00ppm |
| ■ Ageing | ± 5ppm max per year |

Electrical Parameters

- | | |
|--------------------------|------------------|
| ■ Load Capacitance (CL) | 10.0pF to 75.0pF |
| ■ Shunt Capacitance (C0) | 7pF max |
| ■ Drive Level | 500µW max |

Operating Temperature Ranges

- 0 to 50°C
- -10 to 60°C
- -20 to 70°C
- -30 to 80°C
- -40 to 85°C
- -55 to 105°C

Environmental Parameters

- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes.
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s², 30mins in 3 mutually perpendicular planes.
- Storage Temperature Range -55°C to 125°C

Manufacturing Details

- | | |
|---------------------|---------------|
| ■ RoHS Terminations | CuSnNiP or Sn |
| ■ RoHS Reflow | 260degC 10s |

Ordering Information

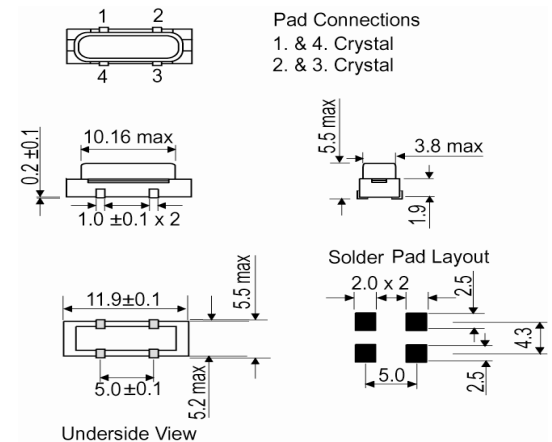
- Frequency*
Model*
Frequency Tolerance (@25°C)*
Frequency Stability (over operating temperature range)*
Operating Temperature Range*
Load Capacitance*
Overtone*
- Example
10.0MHz CFPX-98
50/50/-40 to 85C/10 FUND

Compliance

- | | |
|------------------------------|----------------|
| ■ RoHS Status (2015/863/EU) | Compliant |
| ■ REACh Status | Compliant |
| ■ MSL Rating (JDEC-STD-033): | Not Applicable |



Outline (mm)



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Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 1,000
- Pack Style: Cutt In tape, cut from a reel
Pack Size: 100
- Pack Style: Bulk Loose in bulk pack
Pack Size: 100

Electrical Specification - maximum limiting values

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Over Tone Order	ESR
		°C	ppm		Ω
3.2MHz	3.999999MHz	0 to 50	±15	Fundamental	300
		-10 to 60	±20		300
		-20 to 70	±20		300
		-30 to 80	±25		300
		-40 to 85	±30		300
		-55 to 105	±100		300
4.0MHz	5.499999MHz	0 to 50	±15	Fundamental	130
		-10 to 60	±20		130
		-20 to 70	±20		130
		-30 to 80	±25		130
		-40 to 85	±30		130
		-55 to 105	±100		130
5.5MHz	7.999999MHz	0 to 50	±15	Fundamental	60
		-10 to 60	±20		60
		-20 to 70	±20		60
		-30 to 80	±25		60
		-40 to 85	±30		60
		-55 to 105	±100		60
8.0MHz	40.0MHz	0 to 50	±15	Fundamental	40
		-10 to 60	±20		40
		-20 to 70	±20		40
		-30 to 80	±25		40
		-40 to 85	±30		40
		-55 to 105	±100		40
26.0MHz	100.0MHz	0 to 50	±15	3rd Overtone	100
		-10 to 60	±20		100
		-20 to 70	±20		100
		-30 to 80	±25		100
		-40 to 85	±30		100
		-55 to 105	±100		100

*Stability Maximum values ±500ppm

*This document was correct at the time of printing; please contact your local sales office for the latest version.
[Click to view latest version on our website.](#)*

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